How to Navigate the Technical Sessions

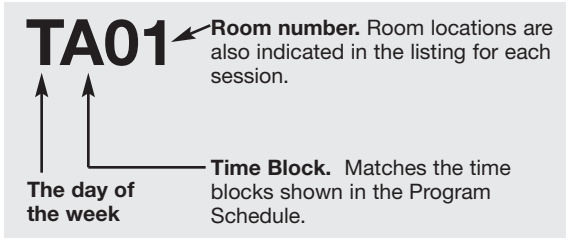
There are four primary resources to help you understand and navigate the Technical Sessions:

- This Technical Session listing, which provides the most detailed information. The listing is presented chronologically by day/time, showing each session and the papers/abstracts/authors within each session.
- The Author and Session indices provide cross-reference assistance (pages 316-358).

Quickest Way to Find Your Own Session

Use the Author Index (page 316) — the session code for your presentation will be shown along with the room location. You can also refer to the full session listing for the room location of your session.

The Session Codes



Time Blocks

Sunday - Tuesday

8:00am -9:30am

11:00am – 12:30pm

1:30pm – 3:00pm

4:30pm – 6:00pm

Wednesday

8:00am -9:30am

11:00am – 12:30pm

12:45pm -2:15pm

2:45pm – 4:15pm

4:30pm- 6:00pm

Rooms and Locations /Tracks

All tracks / technical sessions will be held in the Music City Center and Omni Hotel. Room numbers are shown on the Quick Reference and in the Technical session listing.

Sunday, 8:00AM - 9:30AM

■ SA01

101A-MCC

Temporal Data Mining and Pattern Discovery

Sponsored: Data Mining

Sponsored Session

Chair: Mustafa Gokce Baydogan, Bogazici University, Bebek, Istanbul, 34342, Turkey, baydoganmustafa@gmail.com

1 - Discovering Distinct Features Using Deep Learning For Arrhythmia Detection
Seho Kee, Arizona State University, Tempe, AZ, United States, skee4@asu.edu, Phillip Howard, George Runger

2 - Process Control For Time-varying Situations
Seoung Bum Kim, Korea University, sbkim1@korea.ac.kr, Seulki Lee

3 - On The Use Of Support Vectors For Time Series Pattern Discovery
Mustafa Gokce Baydogan, Bogazici University, Istanbul, Turkey, mustafa.baydogan@boun.edu.tr, Mehmet R Kamber, Erhun Kundakcioglu

4 - Machine Learning For Predicting Heart Failure Readmission
Wei Jiang, Research Assistant, Johns Hopkins University, 3400 N Charles St, Baltimore, MD, 21218, United States, wjiang1990@gmail.com, Scott R Levin, Lili Barouch, Frederick Korley, Sauleh Ahmad Siddiqui, Diego A. Martinez, Matthew Toerper, Sean Barnes, Eric Hamrock

■ SA02

101B-MCC

Healthcare Analytics and Medical Decision Making

Sponsored: Data Mining

Sponsored Session

Chair: Hasan Kartal, University of Massachusetts Lowell, One University Avenue, Lowell, MA, 01854, United States, Hasan_Kartal@uml.edu

1 - PPMF: A Patient-based Predictive Modeling Framework For Early ICU Mortality Prediction
Mohammad Amin Morid, The David Eccles School of Business, University of Utah, 130 University Village, Salt Lake City, UT, United States, amin.morid@business.utah.edu, Olivia R. Liu Sheng, Samir Abdelrahman

2 - The Emergency Response Community Effectiveness Modeler: A Simulation Modeling Tool To Analyze EMS vs. Smartphone-based Samaritan Response
Michael Khalemsky, Graduate School of Business Administration, Bar Ilan University, Ramat Gan, Israel, khalemsky@gmail.com, David G. Schwartz

3 - Public Health Data Sharing With Privacy Protection
Hasan Kartal, Manning School of Business, University of Massachusetts Lowell, Lowell, MA, 01850, United States, hasan_kartal@uml.edu

■ SA03

101C-MCC

Nicholson Student Paper Prize I

Invited: Nicholson Student Paper Prize

Invited Session

Chair: Maria Esther Mayorga, North Carolina State University, 400 Daniels Hall, Raleigh, NC, 27695, United States, memayorg@ncsu.edu

1 - Nicholson Student Paper Prize
Maria Esther Mayorga, North Carolina State University, Dept. of Industrial & Systems Engineering, Raleigh, NC, 27695, United States, memayorg@ncsu.edu

■ SA04

101D-MCC

Electricity Markets and Contract Design

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Edward James Anderson, University of Sydney, H70 - Abercrombie Building, Sydney, NSW 2006, Australia, edward.anderson@sydney.edu.au

1 - Retail Equilibrium With Switching Consumers In Electricity Markets
Carlos Ruiz Mora, Universidad Carlos III de Madrid, Madrid, Spain, caruizm@est-econ.uc3m.es, F. Javier Nogales, F. Javier Prieto

2 - Flow-based Market Coupling In The European Electricity Market
Mette Bjørndal, Professor, NHH Norwegian School of Economics, Bergen, Norway, Mette.Bjorndal@nhh.no

3 - Negotiating Forward Contracts With Private Information
Edward James Anderson, University of Sydney, edward.anderson@sydney.edu.au

■ SA05

101E-MCC

Power System Resilient Design and Optimization

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Seyedamirabbas Mousavian, Clarkson University, 8 Clarkson Avenue, Potsdam, NY, 13699-5790, amir@clarkson.edu

1 - Self-healing Attack-resilient PMU Network For Power System Operation
Chen Chen, Argonne National Laboratory, Lemont, IL, United States, morningchen@anl.gov, Hui Lin, Jianhui Wang, Junjian Qi, Dong Jin

2 - Minimum Risk-maximum Availability Response To Electric Vehicle-initiated Smart Grid Attacks
Seyedamirabbas Mousavian, Clarkson University, amir@clarkson.edu, Melilke Erol-Kantarci, Thomas Ortmeyer

3 - Storage And Generation Expansion Problem Considering Primary Response
Hrvoje Pandzic, University of Zagreb, Zagreb, Croatia, hrvoje.pandzic@fer.hr, Yury Dvorkin, Miguel Carrion

4 - Optimal Resilient Grid Design Distribution And Transmission Systems
Russell Bent, Los Alamos National Laboratory, rbent@lanl.gov Emre Yamangil, Harsha Nagarajan, Pascal Van Hentenryck

■ SA06

102A-MCC

Joint Session DM/Optimization: Discrete Optimization and Machine Learning

Sponsored: Data Mining

Sponsored Session

Chair: Berk Ustun, Massachusetts Institute of Technology, Cambridge, MA, United States, ustunb@mit.edu

1 - A Multi-group Discrete Support Vector Machine – Theory And Computation
Eva Lee, Georgia Tech, evakylee@isye.gatech.edu

2 - Optimized Risk Scores
Berk Ustun, MIT, Massachusetts Institute of Technology, Sloan School of Management, Cambridge, MA, 02142, United States, ustunb@mit.edu, Cynthia Rudin

3 - Supersparse Integer Regression Model For Nonparametric Failure Time Analysis
Keivan Sadeghzadeh, MIT Sloan School of Management, Cambridge, MA, United States, keivan@mit.edu, Cynthia Rudin

4 - Nested Clustering On A Graph
Gokce Kahvecioglu, Northwestern University, 2145 Sheridan Road Room C210, Evanston, IL, 60208, United States, gokcekahvecioglu2014@u.northwestern.edu
David P. Morton

■ SA07

102B-MCC

Undergraduate OR Prize – I

Invited: Undergraduate Operations Research Prize

Invited Session

Chair: Pavithra Harsha, IBM Research, 1101 Kitchawan Road, Room 34-225, Yorktown Heights, NY, 10598, United States, pharsha@us.ibm.com

1 - Car Sharing Fleet Location Design With Mixed Vehicle Types For CO2 Emission Reduction
Joy Chang, University of Michigan, Ann Arbor, MI, United States, joychang@umich.edu. Siqian Shen, Ming Xu

2 - Collaborative Decision Making For Air Traffic Management
Hale Erkan, Bilkent University, Ankara, Turkey, hale.erkan@bilkent.edu.tr, Nesim K. Erkip, Ozge Safak

3 - A Reformulation Of The Appointment Scheduling Problem With Customer Choice Behavior And Multiple Customer Types
Cem Aydin, Koc University, Dept of Industrial Engineering, Istanbul, Turkey, cemaydin@ku.edu.tr, Alp Aribal, Cansu Erol, Begum Tuglu

■ SA09

103B-MCC

Balancing Water Use for Food and Energy

Sponsored: Energy, Natural Res & the Environment I Environment & Sustainability

Sponsored Session

Chair: Hayri Onal, University of Illinois, 305 Mumford Hall, 1301 W. Gregory Dr., Urbana, IL, 61801, United States, h-onal@illinois.edu

1 - A Robust Planning Decision Model For Smart Water System
Mengqi Hu, University of Illinois at Chicago, 842 W. Taylor St., 3023 ERF, Chicago, IL, 60607, United States, mhu@uic.edu, Afshin Ghassemi

2 - Assessment Of Ecosystem Services In A Semi-arid Agriculture-dominant Area: Framework And Case Study
Yihsu Chen, University of California, Santa Cruz, Yihsu Chen, Ramesh Dhungel, Rudy Maltos, Kumar Sivakumaran, Andres Aguilar, Thomas Harmon

3 - Predictive Analytics For Sustainable Water Consumption
Ellen Wongso, Student, Purdue University, West Lafayette, IN, 47906, United States, ewongso@purdue.edu, Zijian He, Roshanak Nateghi

4 - Scheduling Water Reuse In The Food Industry: Theory And Application
Renzo Akkerman, Technical University of Munich, Munich, 80333, Germany, renzo.akkerman@tum.de
Sai Jishna Pulluru

■ SA10

103C-MCC

Optimizing Distributed Energy Generation I

Sponsored: Energy, Natural Res & the Environment, Energy II Other

Sponsored Session

Chair: Alexandra M Newman, Colorado School of Mines, 1, Golden, CO, 1, United States, anewman@mines.edu

1 - Hybrid Energy System Dispatch Strategy For A Forward Operating Base
Mark Husted, Colorado School of Mines, mhusted@mines.edu

2 - A Capacity Expansion Model For Energy Planning For Turkey
Muhammed Sutcu, Assistant Professor, Abdullah Gul University, Sumer Campus, Erkilet Bulvari, Kayseri, 38060, Turkey, muhammed.sutcu@agu.edu.tr, Tugba Degirmenci

3 - Integrated Model For Power Interruption Contracts
Lakshmi Palaparambil Dinesh, University of Cincinnati, 601 Mc Alpin Avenue, Apartment 5, Cincinnati, OH, 45220, United States, lakshmi603@gmail.com, Uday S Rao, Jeffrey D. Camm, Kenneth Skinner

4 - Optimal Sizing Of An EV Parking Facility Within A Microgrid
Ebrahim Mortaz, Auburn University, 115 N. Debardeleben St. Apt 29, Auburn, AL, 36830, United States, emortaz@auburn.edu
Jorge F Valenzuela

■ SA11

104A-MCC

Cliques and Clique Relaxations

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Eugene Lykhovyd, Texas A&M University, College Station, TX, United States, lykhovyd@tamu.edu

1 - Exact Algorithms For The Minimum S-Club Partitioning Problem
Oleksandra Yezerska, Texas A&M Univeristy, Fort Worth, TX, United States, yaleksa@tamu.edu

2 - High Communication Efficiency Subgraphs
Vladimir Stozhkov, University of Florida, Gainesville, FL, United States, vstozhkov@ufl.edu, Alexander Veremyev, Oleg A Prokopyev

3 - Approximating The Maximum Edge Weight Clique Problem Using A Continuous Formulation
Seyedmohammadhossein Hosseinian, Texas A&M University, 2027 Emerging Technologies Building, Mail stop 3131, College Station, TX, United States, hosseinian@tamu.edu, Dalila B M M Fontes, Sergiy Butenko

■ SA12

104B-MCC

Algorithms, Polyhedra and Games

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Amitabh Basu, Johns Hopkins University, 3400 N. Charles Street, Baltimore, MD, 21218, United States, basu.amitabh@jhu.edu

1 - Algorithms For Stable Matching With Imperfect Transfer Of Utility (ITU)
Rajan Harish Udwani, Massachusetts Institute of Technology, rudwani@mit.edu, James B Orlin

2 - Polyhedral Study Of A Generalization Of The Continuous Mixing Set
Haochen Luo, Texas A&M University, College Station, TX, United States, hcluo@tamu.edu, Kiavash Kianfar

3 - Learning Combinatorial Structures
Swati Gupta, Massachusetts Institute of Technology, Cambridge, MA, United States, swatig@mit.edu, Michel X Goemans, Patrick Jaillet

■ SA13

104C-MCC

Global Optimization: Algorithms and Applications

Sponsored: Optimization, Global Optimization

Sponsored Session

Chair: Emily Speakman, University of Michigan, MI, United States, eespeakm@umich.edu

1 - Strong Relaxations For Optimal Power Flows
Pascal Van Hentenryck, University of Michigan, pvanhent@umich.edu, Carleton Coffrin, Hassan Hijazi

2 - Branching Point Selection For Trilinear Terms
Emily Speakman, University of Michigan, 2222 Fuller Court, Apt 702A, Ann Arbor, MI, 48105, United States, eespeakm@umich.edu, Jon Lee

3 - Virtuous Smoothing For Global Optimization.
Daphne Skipper, US Naval Academy, daphne.skipper@gmail.com, Jon Lee

■ SA14

104D-MCC

Operations Research Approaches to Plant Breeding

Invited: Agricultural Analytics

Invited Session

Chair: Lizhi Wang, Iowa State University, Ames, IA, United States, lzwang@iastate.edu

1 - Resource Allocation In Trait Introgression – A Markov Decision Process Approach
Ye Han, Iowa State University, yeh@iastate.edu
Lizhi Wang, William D Beavis, John N Cameron

2 - Maximizing Quantitative Traits In The Mating Design Problem
Susan R Hunter, Purdue University, West Lafayette, IN, United States, susanhunter@purdue.edu, Benjamin McClosky

3 - Response Surface Methodology In Plant Breeding
Reka Howard, University of Nebraska – Lincoln, NE, rekahoward@gmail.com, William Beavis, Alicia Carriquiry

4 - A New Genomic Selection Approach
Lizhi Wang, Iowa State University, lzwang@iastate.edu, Matthew Goiffon, Guiping Hu, Aaron Kusmec, Patrick Schnable

■ SA15

104E-MCC

Big Data in the E-Commerce Deliveries

Invited: Modeling and Methodologies in Big Data

Invited Session

Chair: Chung-Yee Lee, HKUST, IELM Dept. HKUST, Clear Water Bay, Hong Kong, 0000, Hong Kong, cylee@ust.hk

1 - The Benefits Of Randomization In Warehousing And Logistics
John Carlsson, University of Southern California, jcarlsso@usc.edu

2 - Resource Allocation With Unmanned Aerial Vehicle
Siyuan Song, University of Southern California, siyuanso@usc.edu, John Gunnar Carlsson

3 - The Last Mile Rush
Song Zheng, Cainiao Network, Hang Zhou, China, zhengsong.zs@alibaba-inc.com, Lijun Zhu

■ SA16

105A-MCC

Inverse Optimization: Theory

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Taewoo Lee, Rice University, #217, 7010 Staffordshire Street, Houston, TX, 77030, United States, taewoo.lee@utoronto.ca

Co-Chair: Timothy C.Y. Chan, University of Toronto, Toronto, ON, Canada, tcychan@mie.utoronto.ca

1 - Goodness-of-fit In Multi-point Inverse Optimization Optimization
Rafid Mahmood, University of Toronto, Toronto, ON, Canada, rafid.mahmood@mail.utoronto.ca, Timothy Chan, Taewoo Lee, Daria Terekhov

2 - Inverse Optimization For Determining Constraint Parameters
Neal Kaw, University of Toronto, Toronto, ON, Canada, neal.kaw@mail.utoronto.ca, Timothy Chan

3 - Robust Inverse Optimization
Kimia Ghobadi, MIT, Cambridge, MA, United States, kimiag@mit.edu, Daria Terekhov, Houra Mahmoudzadeh, Taewoo Lee

■ SA17

105B-MCC

Optimal Statistical Learning

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Nana Kwabena Aboagye, Princeton University (ORFE), 1 Nassau Hall, Princeton, NJ, 08544, United States, aboagye@princeton.edu

1 - Uncertain Date Envelopement Analysis
Allen Holder, Rose-Hulman Institute of Technology, holder@rose-hulman.edu

2 - Optimal Learning Of Expensive Quadratic Functions
Nana Kwabena Aboagye, Princeton University, aboagye@princeton.edu

3 - Dueling Bandits With Dependent Arms
Bangrui Chen, Cornell University, bc496@cornell.edu

4 - Asymptotic Optimality In Finite Horizon Multi-armed Bandits With Multiple Pulls Per Period
Weici Hu, Cornell University (ORIE), wh343@cornell.edu

■ SA18

106A-MCC

High-Performance Computing for Stochastic Optimization

Invited: High Performance Computing

Invited Session

Chair: Jean-Paul Watson, Sandia National Laboratories, P.O. Box 5800, MS 1326, Albuquerque, NM, 87185, United States, jwatson@sandia.gov

1 - Parallel Branch-and-bound Based On PH For Stochastic MIPS
David Woodruff, University of California Davis, dlwoodruff@ucdavis.edu, Jason Barnett

2 - Schuripopt: A Parallel Optimization Package For Structured Nonlinear-programming Problems
Gabriel Hackebeil, University of Michigan, Ann Arbor, MI, United States, hackebeg@umich.edu, Jose Santiago Rodriguez, Jean-Paul Watson, Carl Laird

3 - Parallel Solution Of Large-scale Stochastic Economic Dispatch And Unit Commitment Problems
Jean-Paul Watson, Sandia National Laboratories, jwatson@sandia.gov

■ SA19

106B-MCC

Computing

Sponsored: Computing

Sponsored Session

Chair: Guzin Bayraksan, The Ohio State University, The Ohio State University, Columbus, OH, United States, bayraksan.1@osu.edu

1 - A Tractable Stochastic Program For The Operation Of A Hydroelectrical Complex With Uncertain Inflows
Charles Gauvin, École Polytechnique de Montréal, 2900 Boul. Édouard-Montpetit, Montréal, QC, H3T 1J4, Canada, charles.gauvin@polymtl.ca, Erick Delage, Michel Gendreau

2 - Reconfigurable Optimization
Prateek Raj Srivastava, Graduate Research Assistant, The University of Texas at Austin, 204 East Dean Keeton Street, Engineering Training Center II (ETC), Austin, TX, 78712, United States, prateekrs@utexas.edu, Nedialko Dimitrov, David L. Alderson

3 - Variance Reduction For Sequential Sampling In Stochastic Optimization
Jangho Park, The Ohio State University, Columbus, OH, United States, park.1814@osu.edu, Rebecca Stockbridge, Güzin Bayraksan

4 - Distributionally Robust Newsvendor Problem With Variation Distance
Hamed Rahimian, PhD Candidate, The Ohio State University, 1971 Neil Ave., Columbus, OH, 43215, United States, rahimian.1@osu.edu, Guzin Bayraksan, Tito Homem-de-Mello

■ SA20

106C-MCC

Storage and Read-Optimized Data Placement Structures for High Performance Analysis

Invited: Tutorial

Invited Session

Chair: Edmon Begoli, University of Tennessee-Knoxville, Joint Institute for Computational Sciences (JICS),, Knoxville, TN, 37831, United States, ebegoli@utk.edu

1 - Storage And Read-Optimized Data PlacementStructures For High Performance Analysis
Edmon Begoli, University of Tennessee-Knoxville, Joint Institute for Computational Sciences (JICS), Knoxville, TN, 37831, United States, ebegoli@utk.edu, Pragnesh Patel, J. Blair Christian

■ SA21

107A-MCC

Healthcare Operations Research in Practice

Sponsored: Health Applications

Sponsored Session

Chair: Sandra Potthoff, University of Minnesota, 420 Delaware Street SE, D362 Mayo MMC 729, Minneapolis, MN, 55455, United States, potth001@umn.edu

Co-Chair: David J. Cook, Mayo Clinic, 200 1st St SW, Rochester, MN, 55902, United States, cook.david@mayo.edu

1 - Optimization-based Scheduling Tools For Hospital Staff
Fei Li, Hennepin County Medical Center, Fei.Li@hcmed.org

2 - A Target Discharge Strategy For Inpatient Discharge Planning
Nicholas Ballester, PhD Candidate, Wright State University, 1555-A Sudbury Lane, Faiborn, OH, 45324, United States, ballester.2@wright.edu, Pratik Parikh, Nan Kong

3 - Enhancementand Validation Of Outpatient Blood And Marrow Transplant Practice Using Time Driven Activity Based Costing (TDABC)
William J Hogan, Mayo Clinic-Rochester, NY, United States, hogan.william@mayo.edu

4 - Anesthesiology Practice Redesign
Michael J Brown, Mayo Clinic-Rochester, NY, United States, Brown.Michael3@mayo.edu

■

107B-MCC

Incentives and Resource Allocation in Healthcare Settings

Invited: ORinformed Healthcare Policies

Invited Session

Chair: Karthik Natarajan, University of Minnesota, Edina, MN, United States, knataraj@umn.edu

1 - Optimal Patient And Provider Incentives In Funding-constrained Humanitarian Healthcare Service Settings
Karthik Natarajan, University of Minnesota, Minneapolis, MN, United States, knataraj@umn.edu, Mili Mehrotra

2 - Competing For Donations In The NPO Sector
Milind Sohoni, Indian School of Business, milind_sohoni@isb.edu, Sripad K Devalkar, Neha Sharma

3 - Discharge Decision In Emergency Departments: Impact Of Operational Measures And Pay-for-performance Incentives
Eric Park, University of Hong Kong, 1, Hong Kong, ericpark@hku.hk

■ SA23

108-MCC

Evaluating Health Policy Decisions

Sponsored: Health Applications

Sponsored Session

Chair: Zhaowei She, Georgia Institute of Technology, 755 Ferst Drive, NW, Atlanta, GA, 30332, United States, zhaowei@gatech.edu

1 - Positive Externalities In Disease Intervention: A Study Of Mosquito Borne Viruses
Anneke Claypool, Stanford University, annekecl@stanford.edu Jeremy Goldhaber-Fiebert

2 - Modeling Health Insurance Marketplaces
Zhaowei She, Georgia Institute of Technology, zhaowei@gatech.edu

3 - Balancing Functional And Technical Quality In Health Services Under Provider Consolidation And Shifts In Payment Structure
Aaron H Ratcliffe, University of North Carolina at Greensboro, 438 Bryan Building, University of North Carolina at Greensboro, Greensboro, NC, 27402-6165, United States, aaron.ratcliffe@uncg.edu, Ann Marucheck, Wendell G Gilland

■ SA24

109-MCC

Dynamics of Scope and Innovation

Invited: Strategy Science

Invited Session

Chair: Brian Wu, University of Michigan, Tappan Street, Ann Arbor, MI, 48109, United States, wux@umich.edu

1 - Adaptation On Multiple Landscapes: Relatedness, Complexity And Dynamic Coordination Costs
Aseem Kaul, University of Minnesota, Minneapolis, MN, United States, akaul@umn.edu, Mo Chen, Xun Wu

2 - Innovation In Ecosystems
Gwendolyn K Lee, University of Florida, 2822 SW 94th Drive, Gainesville, FL, 32608, United States, gwendolyn.lee@cba.ufl.edu, Martin Ganco, Rahul Kapoor

3 - Effect Of Competitor Investments On Established Firms' Redeployment Entry Into Nascent Markets: Evidence From The U.S. Electric Utilities' Adoption Of Solar Energy
Shaohua Lu, Tulane University, Freeman School of Business, New Orleans, LA, 70118, United States, slu4@tulane.edu Jay Anand

4 - Stock Market Undervaluation Of Resource Redeployability
Arkadiy Sakhartov, University of Pennsylvania, Wharton School of Business, 3620 Locust Walk, Philadelphia, PA, 19104, United States, arkadiys@wharton.upenn.edu

■ SA25

110A-MCC

Capacity Allocation and Scheduling Issues

Invited: Project Management and Scheduling

Invited Session

Chair: Zhixin Liu, University of Michigan-Dearborn, 19000 Hubbard Dr, Dearborn, MI, 48126, United States, zhixin@umich.edu

1 - Coordination Mechanisms For Several Scheduling Game Problems
Guo-Qiang Fan, Northwestern Polytechnical University, Xi'an, China, pacpos.gqfan@gmail.com, Jun-Qiang Wang

2 - Disruption Recovery For Berth Allocation
Li Chen, Assistant Professor, Tianjin University, College of Management and Economics, Tianjin University, Tianjin, China, cliad@connect.ust.hk, Xiangtong Qi

3 - Fixed Factor Allocation For Capacity Allocation With Demand Competition
Zhixin Liu, University of Michigan-Dearborn, Dearborn, MI, United States, zhixin@umich.edu, Jianbin Li, Xueyuan Cai

■ SA26

110B-MCC

Procurement Auctions and Bidding

Invited: Auctions

Invited Session

Chair: Kartikeya Puranam, La Salle University, 1900 West Olney Ave, Philadephia, PA, 19141, United States, puranam@lasalle.edu

1 - Behavioral Analysis Of A + B Sealed Bid Procurement Auctions
Bernardo F. Quiroga, Assistant Professor, Clemson University, Clemson, SC, 29634, United States, bquirog@g.clemson.edu
Brent Moritz, Xiaosong Wu

2 - Score Auction Bidding Under Quality Uncertainty: Effort, Risk And Agency Considerations
Daniel Nielubowicz, Clemson University, dnielub@g.clemson.edu
Bernardo F. Quiroga

3 - Bidding With Learning In Repeated Auctions
Kartikeya Puranam, La Salle University, puranam@lasalle.edu, Michael N Katehakis

■ SA27

201A-MCC

Behavioral Operations

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Javad Nasiry, Hong Kong University of Science and Technology-HKUST, Hong Kong, nasiry@ust.hk

Co-Chair: Xiaoyang Long, Hong Kong University of Science and Technology, Hong Kong, xlongaa@connect.ust.hk

1 - Trust, Social Networks, And Information Sharing Among Executives
Ozalp Ozer, The University of Texas at Dallas, Richardson, TX, 75080, United States, oozer@utdallas.edu, Emily Choi, Yanchong Zheng

2 - A Behavioral Study On Abandonment Decisions In Multi-stage Projects
Xiaoyang Long, Hong Kong University of Science and Technology, Hong Kong, Hong Kong, xlongaa@connect.ust.hk
Javad Nasiry, Yaozhong Wu

3 - Newsvendor Problem In The Presence Of Strategic Customers: Theory And Laboratory Evidence
Yang Zhang, Tsinghua University, yangzhanguser@mail.tsinghua.edu.cn, Benny Mantin, Yaozhong Wu

4 - Competitive Dynamic Pricing Under Capacity Constraints: An Experimental Study
Bahriye Cesaret, Ozyegin University, Istanbul, Turkey, bahriye.cesaret@ozyegin.edu.tr, Elena Katok

■ SA28

201B-MCC

MSOM Student Paper Competition Finalists – I

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Sameer Hasija, Insead, 1 Ayer Rajah Avenue, Singapore, 138676, Singapore, sameer.hasija@insead.edu

Co-Chair: Tolga Tezcan, London Business School, Regent's Park, London, IL, NW1 4SA, United Kingdom, ttezcan@london.edu

Co-Chair: Nicos Savva, London Business School, Regent's Park, London, NW1 4SA, United Kingdom, nsavva@london.edu

■ SA29

202A-MCC

Dynamic Mechanism Design

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Peng Sun, Duke University, Durham, NC, United States, peng.sun@duke.edu

1 - Dynamic Mechanism Design With Budget Constrained Buyers Under Limited Commitment
Omar Besbes, Columbia University, ob2105@columbia.edu, Santiago Balseiro, Gabriel Weintraub

2 - Dynamic Short-term Contracts Under Hidden Inventory And Backlog
Hao Zhang, University of British Columbia, Vancouver, BC, Canada, hzhang01@sauder.ubc.ca
Lifei Sheng, Mahesh Nagarajan

3 - Dynamic Mechanism Design Without Money
Huseyin Gurkan, Duke University, Duke University, Durham, NC, 27707, United States, huseyin.gurkan@duke.edu, Santiago Balseiro, Peng Sun

4 - Optimal Contract To Induce Continued Effort
Peng Sun, Duke University, Durham, NC, psun@duke.edu, Feng Tian

■ SA30

202B-MCC

Revenue Management: Algorithms and Applications

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Retsef Levi, MIT, Cambridge, MA, United States, retsef@mit.edu

1 - Assortment Optimization Under A Mallows Distribution Over Permutations
Antoine Desir, Columbia University, 601 W 113th Street, Apt 3J, New York, NY, 10025, United States, ad2918@columbia.edu, Vineet Goyal, Srikanth Jagabathula, Danny Segev

2 - Auctions In The Online Display Advertising Chain: A Case For Transparency
Amine Allouah, Columbia University, 520 W 122nd Street Apt 24, New York, NY, 10027, United States, mallouah19@gsb.columbia.edu
Omar Besbes

3 - Fast Provably Near-optimal Algorithms For Dynamic Assortment Optimization
Ali Aouad, Massachusetts Institute of Technology, aaouad@mit.edu
Retsef Levi, Danny Segev

■ SA31

202C-MCC

Derivatives in the Operations/Finance Interface Area

Sponsored: Manufacturing & Service Oper Mgmt, iFORM

Sponsored Session

Chair: Arun Chockalingam, Eindhoven University of Technology, Den Dolech 2, Eindhoven, 5612 AZ, Netherlands, a.chockalingam@tue.nl

1 - The Optimal Hedging Strategy In A Competitive Supply Chain With Substitutable Commodities
Ehsan Bolandifar, Chinese University of Hong Kong, ehsan@baf.cuhk.edu.hk, Zhong Chen

2 - Integrated Risk Management In Commodity Markets
Fehmi Tanrisever, Bilkent University, tanrisever@bilkent.edu.tr

3 - Production Planning With Shortfall Hedging Under Partial Information And Budget Constraint
Liao Wang, Columbia University, lw2489@columbia.edu, David D Yao

4 - Dual Sourcing: Optimal Procurement Policy With Option Hedging Against Freight Rate Risk
Arun Chockalingam, Eindhoven University of Technology, Hoog Gagel 62, Eindhoven, 5611BG, Netherlands, a.chockalingam@tue.nl, Taimaz Soltani, Jan C Fransoo, Chung-Yee Lee

■ SA32

203A-MCC

Scheduling I

Contributed Session

Chair: Neil Desnoyers, Saint Joseph's University, 133 Green Valley Rd, Upper Darby, PA, 19082, United States, ndesnoye@sju.edu

1 - A Bicriteria Scheduling Problem With Two Competing Agents
Shudong Sun, Northwestern Polytechnical University, 127 Youyi West Road, PO Box 554, Xi'an, 710072, China, sdsun@nwpu.edu.cn

2 - Scheduling Student Volunteers For The Informs Annual Meeting
Neil Desnoyers, Adjunct Instructor, Saint Joseph's University, 5600 City Avenue, Philadelphia, PA, 19131, United States, ndesnoye@sju.edu

■ SA33

203B-MCC

Simulation and Optimization I

Contributed Session

Chair: Tomas Ignacio Lagos, Masters Degree Student, University of Chile, 2017 - Pozuelo, Santiago, 7640031, Chile, tomas.lagos.gonzalez@gmail.com

1 - An Integrated Multi-criteria Decision Making And Simulation-optimization Framework For Supplier Selection
Mohammad Dehghanimohammadabadi, Teaching Assistant Professor, Northeastern University, 360 Huntington Ave, MIE Department, Boston, MA, 02115, United States, mdehghani@neu.edu, Emanuel Melachrinoudis

2 - Cloud-based Collaborative Application Development
Susanne Heipcke, Principal Engineer, FICO, FICO House, Starley Way, Birmingham, B37 7GN, United Kingdom, susanneheipcke@fico.com, Oliver Bastert

3 - Adaptive Sampling Trust-region Optimization For Derivative-based And Derivative-free Simulation Optimization Problems
Sara Shashaani, PhD, Purdue University, Lafayette, IN, 47901, United States, sshashaa@purdue.edu, Raghu Pasupathy

4 - Designing Resilient Electric Networks Under Natural Hazards
Tomas Ignacio Lagos, Masters Degree Student, University of Chile, 2017 - Pozuelo, Santiago, 7640031, Chile, tomas.lagos.gonzalez@gmail.com

■ SA34

204-MCC

Hospital Operations

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Carolyn Queenan, University of South Carolina, 1014 Greene St, Columbia, SC, 29208, United States, carrie.queenan@moore.sc.edu

1 - The Impact Of Call Rotations And Geographic Localization Of Patients On Hospital Performance
Douglas Morrice, University of Texas-Austin, Austin, TX, United States, douglas.morrice@mccombs.utexas.edu, Ying Chen, Jonathan F Bard, Luci Leykum

2 - Complementarities Or Substitutes Of Physician Employment For Managing Patient Care: Effects Of Focus, Experience, And Technology
David Zepeda, Northeastern University, Boston, MA, 02115, United States, d.zepeda@neu.edu, Gilbert N. Nyaga, Gary J. Young

3 - Analyzing The Impact Of Surgical Process Changes On Patient Flow
Justin Kistler, University of South Carolina, Columbia, SC, United States, justin.kistler@grad.moore.sc.edu
Ramkumar Janakiraman, Vikram Tiwari, Subodha Kumar

■ SA35

205A-MCC

Adversiting, Trade-ins, and Distribution Channels

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Shuya Yin, University of California-Irvine, Merage School of Business, Irvine, CA, 92697, United States, shuya.yin@uci.edu

Co-Chair: Rachel Rong Chen, University of California-Davis, Graduate School of Management, Davis, CA, 95616, United States, rachen@ucdavis.edu

1 - Exploring The Rational Behind Outlet Stores
Jiaru Bai, University of California, Irvine, jiarub@uci.edu, Haresh Gurnani, Shuya Yin

2 - Fit-revelation Sampling And Advertising: Complementary Or Substitutable?
Rachel Rong Chen, University of California-Davis, Davis, CA, United States, rachen@ucdavis.edu, Shiming Deng, Lingli Wu

3 - Replenishment Strategies For Micro-retailers In Developing Countries
Sean Zhou, Chinese University of Hong Kong, Hong Kong, Hong Kong, zhoux@baf.cuhk.edu.hk, Christopher S. Tang, Kairen Zhang

■ SA36

205B-MCC

Data-driven Operations Management Research

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Fuqiang Zhang, Washington University in St. Louis, St. Louis, MO, United States, zhang@olin.wustl.edu

Co-Chair: Tianjun Feng, Fudan University, Shanghai, China, tfeng@fudan.edu.cn

1 - An Empirical Investigation Of Network Effect In Automobile Sales
Tianjun Feng, Fudan University, tfeng@fudan.edu.cn, Fuqiang Zhang, Peiwen Yu

2 - The Operational Value Of Social Media Information
Dennis Zhang, Northwestern University, 1500 Chicago Avenue, Apt.712, Evanston, IL, 60201, United States, j-zhang@kellogg.northwestern.edu, Antonio Moreno-Garcia, Ruomeng Cui, Santiago Gallino

3 - When You Work With A Super Man, Will You Also Fly? An Empirical Study Of The Impact Of Coworkers On Performance
Serguei Netessine, INSEAD, serguei.netessine@insead.edu Fangyun Tan

4 - Ceo Overconfidence And Inventory Management
Fuqiang Zhang, Washington University in St. Louis, zhang@olin.wustl.edu, Tianjun Feng, Qing Zhang

■ SA37

205C-MCC

Operations in an Omnichannel World

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session"

Chair: Santiago Gallino, Dartmouth College, Tuck School of Business, Dartmouth College, Hanover, NH, 03755, United States, santiago.gallino@tuck.dartmouth.edu

Co-Chair: Antonio Moreno-Garcia, Northwestern University, Kellogg School of Management, Evanston, IL, 60208, United States, a-morenogarcia@kellogg.northwestern.edu

1 - Impact Of Physical Retail Channel On Customers' Online Purchase Behavior
Anuj Kumar, University of Florida, akumar1@ufl.edu Amit Mehra, Subodha Kumar

2 - When The Bank Comes To You: Branch Network And Custsomer Multi-channel Banking Behavior
Vibhanshu Abhishek, Carnegie Mellon University, vibs@cmu.edu Beibei Li, Dan Geng

3 - Inventory Management In An Omnichannel Environment
Yong-Pin Zhou, Professor, Foster School of Business, University of Washington, Seattle, Seattle, WA, 98195-3226, United States, yongpin@uw.edu, Elnaz Jalilipour Alishah

4 - The Omni-channel Fulfillment Dilemma
Santiago Gallino, Dartmouth College, Dartmouth, NH, United States, santiago.gallino@tuck.dartmouth.edu, Antonio Moreno-Garcia, Robert P. Rooderkerk

■ SA38

206A-MCC

Product Development and Competition

Invited: New Product Development

Invited Session

Chair: Morvarid Rahmani, Georgia Institute of Technology, Atlanta, Atlanta, GA, 30308, United States, morvarid.rahmani@scheller.gatech.edu

Co-Chair: Karthik Ramachandran, Georgia Institute of Technology, Atlanta, GA, 30308, United States, karthik.ramachandran@scheller.gatech.edu

1 - Knowledge Search In Mobile App Development
Nilam Kaushik, PhD Candidate, UCL School of Management, London, United Kingdom, uceikau@ucl.ac.uk, Bilal Gokpinar

2 - Decision Options At Project Gate Reviews: Beyond The Go/ Kill Model
Alison Olechowski, Massachusetts Institute of Technology, Cambridge, MA, United States, alisono@mit.edu Steven D Eppinger, Nitin Joglekar

3 - Capacity Investment For Product Upgrades Under Competition
Ram Bala, Santa Clara University, ram.bala@gmail.com, Milind Sohoni, Sumit Kunnumkal

4 - Institutional Design And The Creative Process: An Experimental Study
Lakshminarayana Nittala, University of California San Diego, La Jolla, CA, 92037, United States, lnittala@ucsd.edu Sanjiv Erat, Viswanathan Krishnan

■ SA39

207A-MCC

A/B Testing, Experiments, and Learning

Sponsored: Applied Probability

Sponsored Session

Chair: Ramesh Johari, Stanford University, Stanford, CA, United States, ramesh.johari@stanford.edu

Co-Chair: David Walsh, Stanford University, Department of Statistics, Stanford, CA, 94305, United States, dwalsh@stanford.edu

1 - Using Simulation To Improve Statistical Power In Switchback Experiments At Uber
Peter Frazier, Cornell University, Ithaca, NY, 14850, United States, pf98@cornell.edu

2 - A/B Testing In A Changing World
David Walsh, Stanford University, dwalsh@stanford.edu

3 - Simple Bayesian Algorithms For Identifying The Best Arm In A Multi-armed Bandit
Daniel Russo, Northwestern University, Evanston, IL, United States, Dan.Joseph.Russo@gmail.com

4 - Sequential A-B Testing With Constraints
Vivek Farias, Massachusetts Institute of Technology, Cambridge, MA, United States, vivekf@mit.edu, Ciamac Cyrus Moallemi

■ SA40

207B-MCC

Applications in Efficiency Analysis

Invited: Data Envelopment Analysis

Invited Session

Chair: Kankana Mukherjee, Babson University, 231 Forest Street, Babson Park, MA, 02457, United States, kmukherjee@babson.edu

1 - Malmquist Productivity Analysis With The Stoned Method
Endre Bjørndal, Norwegian School of Economics, Endre.Bjorndal@nhh.no, Xiaomei Cheng, Mette Bjorndal

2 - Determinants Of Energy Efficiency In Indian Manufacturing
Kankana Mukherjee, Babson University, kmukherjee@babson.edu

3 - Implicit Estimation For Stochastic Frontier Model
Mohamed Nejib Ouertani, Sfax University, n_ouertani@yahoo.fr

4 - Inward Internationalization And Performance: An Application Of The Bootstrapped Truncated Regression Model
Yi-Chun Liu, National Taiwan University, Taipei, Taiwan, d02724003@ntu.edu.tw, Yang Li, Homin Chen

■ SA41

207C-MCC

Control and Optimization in Finance

Sponsored: Financial Services

Sponsored Session

Chair: James Primbs, Cal State Fullerton, Fullerton, CA, United States, jprimbs@fullerton.edu

1 - Order Book Dynamics And Price Sensitivity At Nasdaq: Part 1
James Primbs, California State University Fullerton, Fullerton, CA, 92831, United States, japrimbs@live.com
Scott Condie, Sean Warnick

2 - Order Book Dynamics And Price Sensitivity At Nasdaq: Part 2
James Primbs, California State University Fullerton, 925 Berenice Dr, Brea, CA, 92821, United States, japrimbs@live.com
Scott Condie, Sean Warnick

3 - On A New Class Of Pairs-trading Strategies
Atul Deshpande, University of Wisconsin, Madison, WI, United States, adeshpande4@wisc.edu, B. Ross Barmish

4 - Robust Empirical Optimization Is Almost The Same As Mean-variance Optimization
Jun-ya Gotoh, Chuo University, jgoto@indsys.chuo-u.ac.jp

■ SA42

207D-MCC

Quantitative Methods in Finance

Sponsored: Financial Services

Sponsored Session

Chair: Richard Sowers, University of Illinois, Champaign, Urbana, IL, 61801, United States, r-sowers@illinois.edu

1 - Measures Of Financial Network Complexity: A Topological Approach
Mark Flood, Office of Financial Research, Mark.Flood@ofr.treasury.gov

■ SA43

208A-MCC

Military Applications of Decision Analysis

Sponsored: Decision Analysis

Sponsored Session

Chair: Gregory S Parnell, University of Arkansas, University of Arkansas, Fayetteville, AR, 72701, United States, gparnell@uark.edu

1 - Stakeholder Requirements For Engineered Resilient Systems Decision Support Tools
Christina Rinaudo, Operations Research Analyst, USACE Engineer Research and Development Center (ERDC), Vicksburg, MS, 39180, United States, christina.h.rinaudo@usace.army.mil, Randy Buchanan

2 - Tradespace Tools For Engineering Resilient Systems
Valerie B. Sitterle, Senior Research Engineer, Georgia Tech Research Institute, Atlanta, GA, United States, valerie.sitterle@gtri.gatech.edu, Santiago Balestrini-Robinson, Dane F. Freeman, James Arruda, Simon R. Goerger, Tommer R. Ender

3 - Decision Analysis In The Engineering Body Of Knowledge
Gregory S Parnell, University of Arkansas, gparnell@uark.edu

4 - Evaluating Stakeholder Requirements To Assess Resiliency For Engineered Resilient Systems
Christina Rinaudo, USACE Engineer Research and Development Center (ERDC), Vicksburg, MS, United States, Christina.H.Rinaudo@usace.army.mil, Randy K Buchanan

■ SA44

208B-MCC

Applications of Decision Analysis to Natural Resource Management

Sponsored: Decision Analysis

Sponsored Session

Chair: Karen Jenni, US Geological Survey, DFC, MS 939, Denver, CO, 80225, United States, kjenni@usgs.gov

Co-Chair: Michael Runge, US Geological Survey, Patuxant Wildlife Research Center, Laural, MD, 20708, United States, mrunge@usgs.gov

1 - Optimal Design Of Protection Zones For Wildlife.
Julien Martin, US Geological Survey, julienmartin@usgs.gov

2 - Managing A Long-term Tidal Estuary Restoration: An Adaptive Framework For Decisions Under Uncertainty And Risk
David R Smith, Researcj Statistician, US Geological Survey, Leetown, WV, 25430, United States, drsmith@usgs.gov
Jill Gannon, Mitchell J Eaton

3 - Models And Tools To Support Decision Making On Multiple, Future, As-yet Unclear Management Issues
Karen Jenni, US Geological Survey, kjenni@usgs.gov

4 - Casting Endangered Species Recovery As A Budget Allocation Problem
Michael C Runge, USGS Patuxent Wildlife Research Center, Laurel, MD, 20708, United States, mrunge@usgs.gov,
Leah R. Gerber, Jeff Newman, Lynn A. Maguire, Richard F. Maloney, Deborah T. Crouse

■ SA45

209A-MCC

Financial Network Structure and Systemic Risk

Invited: Risk and Compliance

Invited Session

Chair: Rafael Mendoza, McCombs School of Business, University of Texas, Austin, TX, 78712, United States, rafael.mendoza-arriaga@mccombs.utexas.edu

Co-Chair: John R Birge, University of Chicago, 5807 S Woodlawn Ave, Chicago, IL, 60637, United States, John.Birge@ChicagoBooth.edu

1 - Financial Network Structure And Systemic Risk
John R Birge, University of Chicago, John.Birge@ChicagoBooth.edu

■ SA46

209B-MCC

Pricing and New Product Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Nur Sunar, UNC, Chapel Hill, NC, United States, nur_sunar@kenan-flagler.unc.edu

1 - Optimal Subscription Pricing For Free Delivery Services
Chinmoy Mohapatra, PhD Student, The University of Texas at Austin, McCombs School of Business, Austin, TX, 78712, United States, chinmoym@utexas.edu, Anant Balakrishnan, Shankar Sundaresan

2 - Optimal Dynamic Product Development And Launch For A Network Of Customers
Nur Sunar, UNC, nur_sunar@kenan-flagler.unc.edu
John Birge, Sinit Vitavasiri

3 - Quantity Pre-commitment And Cournot Equivalence
Amr Farahat, Washington University-St. Louis, Campus Box 1133, 1 Brookings Drive, St. Louis, MO, 63130, United States, farahat@wustl.edu, Woonghee Tim Huh, Hongmin Li

4 - A Stochastic Model For Pricing In Reverse Supply Chains
Elif Akcali, University of Florida, Dept of Industrial and Systems Engineering, 303 Weil Hall PO Box 116595, Gainesville, FL, 32611-6595, United States, akcali@ise.ufl.edu, Sila Cetinkaya, Yi Zhang

■ SA47

209C-MCC

Topics in Assortment Planning and Consumer Choice

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Kris Johnson Ferreira, Harvard Business School, Boston, MA, United States, kferreira@hbs.edu

1 - A Data-driven Approach To Customer Segmentation
Ashwin Venkataraman, New York University, 719 Broadway, 7th Floor, New York, NY, 10003, United States, ashwin@cs.nyu.edu
Srikanth Jagabathula, Lakshminarayanan Subramanian

2 - Analysis Of Choice Models: A Welfare-based Framework
Xiaobo Li, University of Minnesota, Minneapolis, MN, 55414, United States, lixx3195@umn.edu, Guiyun Feng, Zizhuo Wang

3 - A Dynamic Clustering Approach To Data-driven Assortment Personalization
Fernando Bernstein, Duke University, fernando@duke.edu
Sajad Modaresi, Denis R. Saure

4 - Assortment Rotation And The Value Of Concealment
Kris Johnson Ferreira, Harvard Business School, kferreira@hbs.edu, Joel Goh

■ SA48

210-MCC

Social Media Analysis I

Invited: Social Media Analytics

Invited Session

Chair: Chris Smith, Air Force Institute of Technology, 2950 Hobson Way, 2950 Hobson Way, Wright-Patterson AFB, OH, 45433, United States, cms3am@virginia.edu

1 - User Reward Programs In Online Social Media
Fouad H Mirzaei, Santa Clara University, Unit 3, 559 Alviso St, Santa Clara, CA, 95050, United States, fhm.phd@ivey.ca, Fredrik Odegaard, Xinghao Yan

2 - Research On The Influence Of Microblog Advertising Of Theatre Chain On Its First Week Box Office Revenue
Jiayin Qi, Shanghai University of International Business and Economics, Shanghai, 100876, China, qijiayin@139.com, Jiaqi Liu

3 - Social Media Use And New Product Development Performance
Debasish N Mallick, Associate Professor, University of St. Thomas, Opus College of Business, 1000 La Salle Avenue # TMH 443, Minneapolis, MN, 55403, United States, dnmallick@stthomas.edu

■ SA49

211-MCC

Case Competition I

Sponsored: Education (INFORMED)

Sponsored Session

Chair: Palaniappa Krishnan, University of Delaware, Newark, DE, United States, baba@udel.edu

1 - Wine Of Kings, King Of Wines
David Kopcso, Babson College, Wellesley, MA, United States, kopcso@babson.edu

2 - Optimizing Promotions For Supermarkets Using Data Analytics
Maxime Cohen, New York University, Stern School of Business, New York, NY, United States, maxcohen@nyu.edu, Georgia Perakis

3 - Ingenuity Technology-From Chaos To Structured Data
William Schmidt, Cornell University, Ithaca, NY, United States, wschmidt@cornell.edu

■ SA50

212-MCC

Gender and Diversity-based Research

Sponsored: Women in OR, MS

Sponsored Session

Chair: Sarah G Nurre, University of Arkansas, 4207 Bell Engineering, Fayetteville, AR, 72701, United States, snurre@uark.edu

1 - Evaluations At Every Corner A Discussion Of Bias In The Evaluation Process
Tristan Botelho, MIT Sloan School of Management, Cambridge, MA, United States, tbotelho@mit.edu

2 - It's A Man's Job: Income And The Gender Gap In Industrial Research
Myriam Mariani, University, 1, Bocconi, Italy, myriam.mariani@unibocconi.it

3 - An Agenda For Diversity And Inclusion-related Research within OR/MS/Analytics
Michael P Johnson, University of Massachusetts Boston, 100 Morrissey Blvd, M-3-428A, Department of Public Policy and Public Affairs, Boston, MA, 02124, United States, michael.johnson@umb.edu

4 - Bridging The Gap: Optimal Responses To Equal Pay Legislation
Margret Bjarnadottir, University of Maryland, R H Smith School, College Park, MD, 20, United States, margret@rhsmith.umd.edu, David Anderson

■ SA51

213-MCC

Applied Humanitarian Operations Management

Sponsored: Public Sector OR

Sponsored Session

Chair: Alfonso J Pedraza-Martinez, Indiana University, 1309 E. 10th Street, Room HH 4100, Bloomington, IN, 47405, United States, alpedraz@indiana.edu

1 - Dynamic Allocation Of NGO Funds Among Program, Fundraising, And Administration
Telesilla Kotsi, Indiana university, Bloomington, IN, United States, tkotsi@umail.iu.edu, Goker Aydin, Alfonso Pedraza Martinez

2 - Supporting Hurricane Inventory Management Decisions With Consumer Demand Estimates
Douglas Morrice, University of Texas Ausitn, Douglas.Morrice@mccombs.utexas.edu, Paul Cronin, Fehmi Tanrisever, John Butler

3 - Information Dissemination Through Social Media In Humanitarian Operations
Eunae Yoo, Arizona State University, Tempe, AZ, United States, eunae.yoo@asu.edu, Elliot Rabinovich, Bin Gu, William Rand, Mahyar Eftekhar

4 - Disaster Cycle Management: Matching Supply And Demand Of Social Support Through Social Media.
Alfonso Pedraza-Martinez, Indiana University, alpedraz@indiana.edu, Lucy Yan

■ SA52

214-MCC

Prevailing Issues in Public Sector OR

Sponsored: Public Sector OR

Sponsored Session

Chair: Ebru Bish, Virginia Tech, Dept of Industrial and Systems Engineering, Blacksburg, VA, 24061, United States, ebru@vt.edu

1 - The Probabilistic Independence Of Mass Killings In The United States
Douglas M King, Lecturer, University of Illinois at Urbana-Champaign, 117 Transportation Building, 104 S Mathews Avenue, Urbana, IL, 61801, United States, dmking@illinois.edu, Sheldon Jacobson

2 - Adaptive Array-based Screening For Heterogeneous Populations
Hrayer Aprahamian, Virginia Tech, 250 Durham, Blacksburg, VA, 24061, United States, ahrayer@vt.edu, Ebru Korular Bish, Douglas R Bish

3 - Prevalence Estimation Through Pooled Testing
Ngoc Nguyen, Virginia Tech, ntn@vt.edu, Ebru Korular Bish, Douglas R Bish

4 - Production And Distribution Capacity Planning For Mitigating Urban Delivery Risk Of E-commerce
Mu Du, Dalian University of Technology, 509 School of Management, No.2 Linggong Road, Dalian, 116023, China, dumu.dlut@gmail.com, Nan Kong

■ SA53

Music Row 1- Omni

Topics in Revenue Generation from Innovation

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Chair: Pascale Crama, Singapore Management University, 50 Stamford Road, Singapore, 178899, Singapore, pcrama@smu.edu.sg

1 - Retaining Capable New Employees: Role Of Strategic Interaction And The Learning Rate
Onesun Steve Yoo, University College London, London, United Kingdom, onesun.yoo@ucl.ac.uk, Dharma Kwon

2 - The Impact Of Valuation Heterogeneity And Network Structure On Equilibrium Prices In Supply Networks
Alper Nakkas, Nova School of Business and Economics, Campus de Campolide, VAT - 506030636, Lisbon, 1099-032, Portugal, alper.nakkas@novasbe.pt, Yi Xu

3 - Signaling Product Quality Through A Trial Period
Gulru Ozkan-Seely, University of Washington – Bothell, Bothell, WA, 98033, United States, gulru@uw.edu, Shouqiang Wang

4 - An Experimental Study Of Idea Evaluation Process
Zhijian Cui, IE Business School, Zhijian.cui@ie.edu

■ SA54

Music Row 2- Omni

Smart Service Systems and Modeling

Sponsored: Service Science

Sponsored Session

Chair: Robin Qiu, Penn State University, 30 E. Swedesford Road, Malvern, PA, 19355, United States, robinqiu@psu.edu

1 - Analytics Framework For Higher Education
Roger Gung, University of Phoenix, Phoenix, AZ, United States, roger.gung@phoenix.edu

2 - Big Data And FinTech Programs at Asia University
Grace Lin, Institute for Information Industry, 1F, No. 133, Sec. 4, Minsheng E. Rd., Taipei, Taiwan, gracelin.ny@gmail.com

3 - Integrating Physical And Social Sensing To Enable Smart Services
Robin Qiu, Penn State, robinqiu@psu.edu, Youakim Badr, Lawrence Qiu

■ SA55

Music Row 3- Omni

Service Science: Operationalize Data Analytics for Better Service

Sponsored: Service Science

Sponsored Session

Chair: Jie Zhang, The University of Vermont, The University of Vermont, Burlington, VT, 05405, United States, jz@bu.edu

1 - Hotel Performance Impact Of Socially Engaging With Consumers
Saram Han, Cornell University, Ithaca, NY, United States, sh2322@cornell.edu, Chris K Anderson

2 - The Impact Of Marketing Expenditures On Outlet Performance In Franchised Channels
Ben Lawrence, Cornell University, benlawrence@cornell.edu

3 - Introduction To Wellness-inspired Service Operations Strategies
Min Lee, Clemson University, minl@g.clemson.edu
Aleda Roth, Rohit Verma

4 - Exploring The Synergy Between Online Reviews And Structured Surveys
Jie Zhang, University of Victoria, jz@bu.edu

■ SA56

Music Row 4- Omni

Analytics in Social Media and Sharing Economy

Sponsored: EBusiness

Sponsored Session

Chair: Young Jin Lee, Assistant Professor, University of Denver, 2101 S. University Blvd., Denver, CO, 80208, United States, YoungJin.Lee@du.edu

1 - Visualizing The Dynamics Of Multivariate Time-series Data From Social Media During Emergency Management And Disaster Response
Dave Yates, Assistant Professor, University of Denver, Denver, CO, 80208, United States, dave.yates@du.edu, Joe Ryan

2 - Using Social Capital Theory In Social Network Sites To Improve Innovative Performance
Valerie Bartelt, Texas A&M University - Kingsville, TX, vbartelt@gmail.com, Murad Moqbel

3 - Are Multi-listing Hosts Better Off? How Host Attributes Affect The Performance Of Airbnb Listings
Karen Xie, University of Denver, Karen.Xie@du.edu

4 - User Engagement In Social Media: Evidence From A Field Experiment
Jane Tan, University of Washington, xuetan@uw.edu
Yingda Lu, Yong Tan

■ SA57

Music Row 5- Omni

Topics in Behavioral Operations Management

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Ruth Beer, Indiana University, Kelley School of Business, Bloomington, IN, United States, ruthbeer@indiana.edu

1 - An Experimental Investigation Of Managing Quality Through Monetary And Relational Incentives
Andrew M. Davis, Cornell University, adavis@cornell.edu, Kyle Hyndman

2 - The Supplier's Dilemma: Buyback Contracts In A Competitive Setting
Anna Devlin, University of Alabama in Huntsville, agd0008@uah.edu

3 - Stagnant Leader Or Fast Improver? The Impact Of Transparency On Consumers' Purchase Behavior
Yanchong Zheng, Massachusetts Institute of Technology, yanchong@mit.edu
Ryan Buell, Shwetha Mariadassou

4 - How Negotiatons Improve Performance In The Buyback Contract
Elena Katok, University of Texas at Dallas, 800 W. Campbell Rd., Jindal School of Management (SM30), Richardson, TX, 75080, United States, ekatok@utdallas.edu, Michael Becker-Peth, Ulrich Thonemann

■ SA58

Music Row 6- Omni

Energy I

Contributed Session

Chair: Arnab Roy, PhD Student, University of Louisville, 2719 South 4th Street, Apt. #2, Louisville, KY, 40208, United States, arnab.roy@louisville.edu

1 - Modeling The North American NGL Market In A Low Oil And Gas Price Environment
Robert Brooks, Founder, RBAC Inc, 14930 Ventura Boulevard, Suite 210, Sherman Oaks, CA, 91403, United States, rebrooks@rbac.com

2 - Fuel Procurement Strategy With Inventory Consideration For Electric Power Utilities
Chung-Hsiao Wang, LG&E and KU, 102 Spruce Lane, Louisville, KY, 40207-1701, United States, chunghsiao@hotmail.com, K Jo Min

3 - Modeling And Analysis Of Remote, Off-grid Microgrids
Sreenath Chalil Madathil, Doctoral Candidate, Clemson University, 110 Freeman Hall, Clemson, SC, 29634, United States, schalil@g.clemson.edu, Emre Yamangil, Harsha Nagarajan, Arthur K Barnes, Russell Bent, Scott Backhaus, Scott J. Mason, Salman Mashayekh, Michael Stadler

4 - An Empirical Study On A Demand Response Program With Battery Storage Systems
Arnab Roy, PhD Student, University of Louisville, 2719 South 4th Street, Apt. #2, Louisville, KY, 40208, United States, arnab.roy@louisville.edu, Prajwal Khadgi, Lihui Bai

■ SA59

Cumberland 1- Omni

Electrification in Transportation

Sponsored: Transportation Science & Logistics

Sponsored Session

Chair: Mohammad Esmaeil Khodayar, Southern Methodist University, 6425 Boaz Lane, Dallas, TX, 75205, United States, mkhodayar@smu.edu

1 - Network Design For In-motion Wireless Charging Of Electric Vehicles In Urban Areas
Mamdouh Mubarak, Southern Methodist University, mmubarak@smu.edu, Halit Uster, Khaled Abdelghany, Mohammad Esmaeil Khodayar

2 - Deployment Of Stationary And Dynamic Charging Infrastructure For Electric Vehicles Along Traffic Corridors
Zhibin Chen, University of Florida, Gainesville, FL, United States, zhibinchen@ufl.edu, Yafeng Yin, Wei Liu

3 - Modeling Plug-in Electric Vehicles Driving And Charging Behavior Using Real-world Connected Vehicles Data
Kuilin Zhang, Assistant Professor, Michigan Technological University, Houghton, MI, 49931, United States, klzhang@mtu.edu Shuaidong Zhao

4 - Operation Of Electricity And Transportation Networks With Ev Wireless Charging
Mohammad Khodayar, Southern Methodist University, mkhodayar@smu.edu, Saeed D Manshadi, Khaled Abdelghany, Halit Uster

■ SA60

Cumberland 2- Omni

Topics on Shared Public Transportation Systems

Sponsored: TSL, Urban Transportation

Sponsored Session

Chair: Hai Wang, Singapore Management University, Singapore Management University, Singapore, Singapore, Singapore, haiwang@smu.edu.sg

1 - Matching Problem For A Stochastic And Dynamic Online Vehicle Sharing System
Hai Wang, Singapore Management University, haiwang@smu.edu.sg, Chiwei Yan

2 - Estimating Primary Demand In One-way Vehicle Sharing Systems
Chiwei Yan, Massachusetts Institute of Technology, Cambridge, MA, United States, chiwei@mit.edu, Chong Yang Goh

3 - The Learning Curve Of Taxi Drivers In an Urban Area: An Empirical Analysis
Youngsoo Kim, Singapore Management University, Singapore, Singapore, yskim@smu.edu.sg

4 - Stochastic Ride-matching In Peer-to-peer Ridesharing Systems
Neda Masoud, University of Michigan, 2350 Hayward St., 2124 GG Brown Bldg., Ann Arbor, MI, 48109, United States, nmasoud@umich.edu, R. Jayakrishnan

■ SA61

Cumberland 3- Omni

RAS Student Paper Award

Sponsored Session

Chair: Steven Harrod, Technical University of Denmark, KGS. Lyngby, Denmark, stehar@transport.dtu.dk

■ SA62

Cumberland 4- Omni

Aviation Applications Section: Best Student Presentation Competition

Sponsored: Aviation Applications

Sponsored Session

Chair: Lavanya Marla, University of Illinois, lavanyam@illinois.edu

■ SA63

Cumberland 5- Omni

Facility Logistics

Sponsored: TSL, Facility Logistics

Sponsored Session

Chair: Jennifer A Pazour, Rensselaer Polytechnic Institute, 110 8th street, CII 5217, Troy, NY, 12180, United States, pazouj@rpi.edu

1 - Facility-level Item Allocation Problem In Ship-from-Store Environment
Seyed Shahab Mofidi, Rensselaer Polytechnic Institute, 110 8th Street, RPI ISE Department, CII 5015, Troy, NY, 12180, United States, mofids@rpi.edu, Jennifer A Pazour

2 - Parallel Algorithms For Large Assignment Problems On Graphics Processing Unit Clusters
Rakesh Nagi, University of Illinois, Urbana-Champai, 117 Transportation Building, MC-238, 104 South Mathews Avenue, Urbana, IL, 61801, United States, nagi@illinois.edu, Ketan Date

■ SA64

Cumberland 6- Omni

Spatial Multicriteria Decision Making: Challenges and Current Developments

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Valentina Ferretti, London School of Economics and Political Science, Houghton Street, London, WC2A 2AE, United Kingdom, V.Ferretti@lse.ac.uk

1 - Geographically Weighted Multi-attribute Decision Making For Taxi Assignment
Ali Esmaeeli, University of California, Irvine, Irvine, CA, United States, esmaeeli@uci.edu, L Robin Keller

2 - Spatial Multi Criteria Decision Analysis In The Energy Sector: A Preliminary Application To Deep Geothermal Energy Systems
Matteo Spada, Risk Analyst, Paul Scherrer Institut, OHSA/D19, Villigen PSI, 5232, Switzerland, matteo.spada@psi.ch
Peter Burgherr

3 - Case Studies With Gear, A New Tool For Geospatial Multi-Criteria Decision Analysis
Matthew Bates, Research Engineer, US Army Corps of Engineers, Concord, MA, United States, matthew.e.bates@usace.army.mil
Michelle Hamilton, Jeffrey Cegan, Cate Fox-Lent, John Nedza

4 - Behavioural Issues In Spatial Decision-making Processes
Valentina Ferretti, London School of Economics and Political Science, V.Ferretti@lse.ac.uk

5 - Landscape Multi-methodological Evaluations: Approaches For Collaborative Spatial Decision-making Processes
Maria Cerreta, University of Naples,, cerreta@unina.it

■ SA65

Mockingbird 1- Omni

Economics of Information Systems

Sponsored: Information Systems

Sponsored Session

Chair: Marius Florin Niculescu, Georgia Institute of Technology, Georgia Institute of Technology, Atlanta, GA, 30332, United States, marius.niculescu@scheller.gatech.edu

1 - E-commerce In The Manufacturing Supply Chain: An Empirical Analysis
Patricia Angle, Georgia Institute of Technology, Patricia.Angle@scheller.gatech.edu, Christopher M Forman, Kristina Steffenson McElheran

2 - Piracy-induced Competition In Information-good Supply Chains
Antino Kim, Indiana University, Bloomington, IN, United States, antino@iu.edu, Debabrata Dey, Atanu Lahiri

3 - Impact Of Promoting Free Wi-fi On Mobile Data Usage: Evidence From A Field Experiment
Karthik Babu Nattamai Kannan, Georgia Institute of Technology, KarthikBabu.NK@scheller.gatech.edu, Jeffrey Hu, Sridhar Narasimhan

4 - Strategic Intellectual Property Sharing: Competition on an OpenTechnology Platform Under Network Effects
Marius Niculescu, Georgia Institute of Technology, marius.niculescu@scheller.gatech.edu, D. j. Wu, Lizhen Xu

■ SA66

Mockingbird 2- Omni

High-Dimensional Functional Data Analysis

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Hao Yan, Georgia Institute of Technology, yanhao@gatech.edu

Co-Chair: Kamran Paynabar, kpaynabar3@gatech.edu

1 - Difference Detection Between Two Images For Image Monitoring
Peihua Qiu, University of Florida, pqiu@ufl.edu

2 - Online Adaptive Sampling And Estimation For Clustered Anomaly Detection
Hao Yan, Georgia Institute of Technology, yanhaopku@gmail.com

3 - A Penalized (log)-Location-Scale Tensor Regression Model For Residual Useful Lifetime Prediction
Xiaolei Fang, Georgia Institute of Technology, xfang33@gatech.edu
Kamran Paynabar, Nagi Gebraeel

4 - Multivariate Profile Monitoring Based On Sparse Multichannel Functional Principle Component Analysis
Chen Zhang, National University of Singapore, zhangchen@u.nus.edu, Hao Yan, Jianjun Shi

■ SA67

Mockingbird 3- Omni

Journal of Quality Technology Invited Session

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Fugee Tsung, HKUST, Hong Kong, season@ust.hk

1 - Bayesian Life Test Planning For Log-Location-Scale Family Of Distributions
Yili Hong, Virginia Polytechnic Institute, yilihong@vt.edu

2 - Multivariate Exponentially Weighted Moving-average Chart For Monitoring Poisson Observations
Nan Chen, National University of Singapore, isecn@nus.edu.sg

■ SA68

Mockingbird 4- Omni

QSR Refereed Research Session

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Hui Yang, Pennsylvania State University, University Park, PA, United States, huy25@psu.edu

1 - An Optimum Design Of Laser-based Additive Manufacturing Experiments by Leveraging Analogous Prior Data
Amir Massoud Aboutaleb, Mississippi State University, 139 A, Park Circle, Starkville, MS, 39759, United States, aa1869@msstate.edu
Linkan Bian

2 - Model Transfer via Equivalent Effects Of Lurking Variables
Arman Sabbaghi, Purdue University, West Lafayette, IN, 47907, United States, sabbaghi@purdue.edu
Qiang Huang

3 - Residual Useful Lifetime Prediction Using a Degradation Image Stream
Xiaolei Fang, Georgia Institute of Technology, 1546 Woodlake Dr NE, Apt F, Atlanta, GA, 30329, United States, xfang33@gatech.edu, Kamran Paynabar, Nagi Gebraeel

4 - Statistical Modeling For Spatio-Temporal Degradation Data
Xiao Liu, IBM, 1101 Kitchwan Road, Room 29-252, Yorktown Heights, NY, 10598, United States, liuxiao@us.ibm.com
Kyongmin Yeo, Jayant Kalagnanam

■
Old Hickory- Omni

2016 Edelman Finalists Reprise – I

Sponsored: CPMS, The Practice Section

Sponsored Session

Chair: Michael A Trick, Carnegie Mellon University, Pittsburgh, PA, United States, trick@cmu.edu

1 - Operations Research Transforms The Scheduling Of Chilean Soccer Leagues And South American World Cup Qualifiers
Andres P Weintraub, Universidad de Chile, Dept De Ingenieria Industrial, Republica 701 Casilla 86-D, Santiago, Chile, aweintra@dii.uchile.cl, Fernando Alarcon, Guillermo Duran, Luis Ramirez, Hugo Munoz, Mario Ramirez, Denis R. Saure, Sebastian Souyris, Rodrigo Wolf-Yadlin, Gonzalo Zamorano, Matias Siebert, Jaime Miranda, Mario Guajardo

■ SA70

Acoustic- Omni

Transportation, Freight I

Contributed Session

Chair: Mohammad Torkjazi, University of South Carolina, 620 Heidt Street, Apt 1, Columbia, SC, 29205, United States, torkjazi@email.sc.edu

1 - Stacking Containers In An Automated Terminal
Amir Hossein Gharehgozli, Texas A&M University at Galveston, P.O. Box 1675, Galveston, TX, 77553, United States, gharehga@tamug.edu

2 - An Economical, Reliable And Sustainable Transport Strategy: Synchromodality From Shipper's Perspective
Chuanwen Dong, Kuehne Logistics University, Grosser Grasbrook 17, Hamburg, 20457, Germany, chuanwen.dong@the-klu.org Robert Boute, Alan Mckinnon, Marc Verelst

3 - Design Of Truck Appointment System
Mohammad Torkjazi, University of South Carolina, Columbia, SC, 29205, United States, torkjazi@email.sc.edu, Nathan Huynh

■ SA71

Electric- Omni

Transportation, Public I

Contributed Session

Chair: Betty Love, University of Nebraska - Omaha, Mathematics Department, Omaha, NE, 68182, United States, blove@unomaha.edu

1 - Bus Service Design Under Demand Diversion And Dynamic Roadway Congestion Based On Aggregated Network Models
Antoine Petit, Research Assistant, U of Illinois at Urbana-Champaign, 205 N Mathews Avenue, # B156, Urbana, IL, 61801, United States, apetit@illinois.edu, Mehmet Yildirimoglu, Nikolas Geroliminis, Yanfeng Ouyang

2 - Evaluating Impacts Of Rainfall On Subway Ridership In Manhattan By Utilizing Bayesian Hierarchical Poisson Regression Model
Shirin Najafabadi, PhD Candidate, CCNY, 650 West 42nd Street, Apt 3014, New York, NY, 10036, United States, shirin.najaf@gmail.com, Ali Hamidi, Mahdieh Allahviranloo, Naresh Devineni

3 - A Mixed Integer Programming Model For Dynamic Taxi Sharing Considering Provider Revenue
Yeming Hao, Research Assistant, University of Maryland-College Park, 8136 Paint Branch Dr., 0147C Engineering Laboratory, College Park, MD, 20742, United States, yhao@umd.edu, Ali Haghani

4 - Bike System Rebalancing In Omaha Nebraska
Betty Love, University of Nebraska - Omaha, Mathematics Department, Omaha, NE, 68182, United States, blove@unomaha.edu, Livvia Bechtold

■ SA72

Bass- Omni

Supply Chain Mgt I

Contributed Session

Chair: Qiaohai (Joice) Hu, City University of Hong Kong, AC-1, Room 7605, Dept of management Science, Kowloon, Hong Kong, joice.hu@gmail.com

1 - Modeling And Analysis Of Supply Chain Coordination Under The Crowd-funding Financing
Kuan Zeng, Dr, Huazhong University of Science and Technology, Wuhan, China, zk00315@126.com, Xianhao Xu

2 - Swapping Inventory Between Competing Firms
Seung Jae Park, Assistant Professor, Ewha Womans University, Seoul, Korea, Republic of, park.s@ewha.ac.kr

3 - Manufacturers' Strategic Responses To Power Imbalance In Supply Chains
Zhexiong Tao, McGill University, 1001 Rue Sherbrooke O, Montreal, QC, H3A1G5, Canada, zhexiong.tao@mail.mcgill.ca Shanling Li, Saibal Ray

4 - Debt Finanacing And Specific Capacity Investment
Qiaohai (Joice) Hu, City University of Hong Kong, AC-1, Room 7605, Dept of Management Science, Kowloon, Hong Kong, joice.hu@gmail.com

■ SA79

Legends G- Omni

JFIG Paper Competition I

Award Session

Chair: Andrew Schaefer, Rice University, 6100 Main Street - MS 134, Houston, TX, 77005, United States, andrew.schaefer@rice.edu

1 - JFIG Paper Competition I
Andrew Schaefer, Rice University, 6100 Main Street - MS 134, Houston, TX, 77005, United States, andrew.schaefer@rice.edu

■ SA86

Gibson Board Room-Omni

Manufacturing I

Contributed Session

Chair: Mohsen Moghaddam, Postdoctoral Researcher, Purdue University, Grissom Hall, 315 N. Grant Street, West Lafayette, IN, 47907, United States, mmoghadd@purdue.edu

1 - Identifying Shifting Production Bottlenecks Using Clearing Functions
Reha Uzsoy, Professor, North Carolina State University, Dept. of Industrial & Systems Engg, 300 Daniels Hall Camps Box 7906, Raleigh, NC, 27695-7906, United States, ruzsoy@ncsu.edu, Baris Kacar, Lars Moench

2 - Determinants Of Commercial Exploitation For European Funded Technological R&D In Manufacturing
Vasco Figueiredo Teles, Researcher, MIT Portugal Program, Porto, Portugal, vbteles@inesctec.pt, Abilio P. Pacheco, Abilio P. Pacheco, Joao Claro, Joao Claro

Sunday, 10:00AM - 10:50AM

■ Sunday Plenary

Davidson Ballroom-MCC

Cognitive Computing: From Breakthroughs in the Lab to Applications on the Field

Plenary Session

Chairs: Chanaka Edirisnghe, Rensselaer Polytechnic Institute, & Ed H. Kaplan, Yale University and INFORMS 2016 President

1 - Cognitive Computing: From Breakthroughs In The Lab To Applications on The Field
Guru Banavar, Vice President, IBM Research, Watson Research Center, Yorktown Heights, NY, United States, banavar@us.ibm.com

Sunday, 11:00AM - 12:30PM

■ SB01

101A-MCC

Machine Learning

Sponsored: Data Mining

Sponsored Session

Chair: Cynthia Rudin, MIT, 100 Main Street, Cambridge, MA, 02142, United States, rudin@mit.edu

1 - Generalized Inverse Classification
Michael Lash, University of Iowa, Iowa City, IA, United States, michael-lash@uiowa.edu, Qihang Lin, Nick Street, Jennifer Robinson, Jeffrey W Ohlmann

2 - On Difference Of Convex Optimization To Visualize a Word Storm
Dolores Romero Morales, Copenhagen Business School, drm.eco@cbs.dk, Emilio Carrizosa, Vanesa Guerrero

3 - Consensus Based Modeling Using Distributed Feature Construction
Haimonti Dutta, University at Buffalo, haimonti@buffalo.edu

4 - Regulating Greed In Multi-Armed Contextual Bandits
Stefano Traca, MIT, stet@mit.edu

■ SB02

101B-MCC

Data Mining in Medical and Sociological Decision Making

Sponsored: Data Mining

Sponsored Session

Chair: Kamran Paynabar, Georgia Institute of Technology, Atlanta, GA, United States, kamip@umich.edu

1 - Single Stage Prediction With Text Data Using Dimension Reduction Techniques
Shawn Mankad, Cornell, spm263@cornell.edu

2 - A Multi-response Multilevel Model With Application In Nurse Care Coordination
Bing Si, Arizona State University, Tempe, AZ, United States, bingsi@asu.edu, Jing Li

3 - Optimal Expert Knowledge Elicitation For Bayesian Network Structure Identification
Yan Jin, University of Washington, Seattle, WA, United States, yanjin@uw.edu, Cao Xiao

4 - Temporal Monitoring Of Dynamic Attributed Networks
Mostafa Reisi, Georgia Tech, mostafa.reisi@gmail.com

■ SB03

101C-MCC

Nicholson Student Paper Prize II

Invited: Nicholson Student Paper Prize

Invited Session

Chair: Maria Esther Mayorga, North Carolina State University, 400 Daniels Hall, Dept. of Industrial & Systems Engineering, Raleigh, NC, 27695, United States, memayorg@ncsu.edu

1 - Nicholson Student Paper Prize
Maria Esther Mayorga, North Carolina State University, Dept. of Industrial & Systems Engineering, Raleigh, NC, 27695, United States, memayorg@ncsu.edu

■ SB04

101D-MCC

Energy Storage and Virtual Trading in the Smart Grid

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Miguel F Anjos, Polytechnique Montreal, C.P. 6079, Succ. Centre-ville, Montreal, QC, H3C 3A7, Canada, anjos@stanfordalumni.org

1 - Optimizing Energy Flows For A Grid Connected Smart House Producing Renewable Energy
Luce Brotcorne, INRIA, luce.brotcorne@inria.fr
Ekaterina Alekseeva, Michel Gendreau, Mohammed Skiredj

2 - Capacity Expansion Modeling For Storage Technologies
Elaine Thompson Hale, Senior Engineer, National Renewable Energy Laboratory, Golden, CO, United States, elaine.hale@nrel.gov, Brady Stoll, Trieu Mai

3 - Optimizing Storage Operations In Transmission-constrained Networks For Medium And Long-term Operation
Diego Alejandro Tejada Arango, Universidad Pontificia Comillas, IIT, Madrid, Spain, Diego.Tejada@iit.comillas.edu
Sonja Wogrin, Efraim Centeno

4 - A Model Of Virtual Trading And The Forward Day Ahead Market
Gauthier De Maere D'Aertrycke, GDF Suez, Boulevard Simon Bolivar 34, Brussels, Belgium, gauthier.demaeredaertrycke@gdfsuez.com, Yves Smeers, Andreas Ehrenmann

■ SB05

101E-MCC

Real Options in the Energy Sector

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Stein-Erik Fleten, Norwegian University of Science & Technology, NO-7491 Trondheim, Trondheim, NO-7491, Norway, stein-erik.fleten@iot.ntnu.no

1 - Switching From Oil To Gas Production – Decisions In A Field's Tail Production Phase
Kristian Støre, Norwegian University of Science and Technology, Bodø, Norway, krm@uin.no, Verena Hagspiel, Stein-Erik Fleten, Claudia Nunes

2 - Resilience And Investment Valuation Of A Microgrid: A Real Options Approach
Reinhard Madlener, Full Professor of Energy Economics and Management, RWTH Aachen University, E.ON Energy Research Center, FCN, Mathieustrasse 10, Aachen, Germany, RMadlener@eonerc.rwth-aachen.de, Lisa Goebbels

3 - Real Options In Renewable Portfolio Standards
Ryuta Takashima, Tokyo University of Science, takashima@rs.tus.ac.jp, Makoto Goto

4 - Structural Empirical Analysis Of Hydropower Scheduling
Stein-Erik Fleten, Norwegian University of Science & Technology, stein-erik.fleten@iot.ntnu.no, Maren Boger, Jussi Keppo, Alois Pichler, Einar M Vestbøstad

■ SB06

102A-MCC

Panel: What Industry Wants Analytics Graduates to Know

Sponsored: Data Mining

Sponsored Session

Moderator: Thomas Tiahrt, The University of South Dakota, Beacom School of Business, Rm 229, Vermillion, SD, 57069, United States, Thomas.Tiahrt@usd.edu

1 - What Industry Wants Analytics Graduates To Know
Panelist: Eric B Stephens, Vanderbilt University Medical Center, eric.b.stephens@vanderbilt.edu

2 - What Industry Wants Analytics Graduates To Know
Panelist: Sean T MacDermant, International Paper, yorrie@macdart.com

3 - What Industry Wants Analytics Graduates To Know
Panelist: Alkis Vazacopoulos, Optimization Direct, Inc., alkis@optimizationdirect.com

■ SB07

102B-MCC

Data Mining in Decision Analytics: Predictive Modeling in Theory and Applications

Sponsored: Data Mining

Sponsored Session

Chair: Ali Dag, Auburn University, Auburn, AL, United States, azd0033@auburn.edu

1 - A Novel Sentiment Analytic Methodology For Multinomial Classification Of Product And Service Reviews
Ali Dag, Auburn University, azd0033@auburn.edu

2 - Probabilistic Decision Analytic Risk Level Prediction Model For Kidney Transplants
Kazim Topuz, Wichita State University, Wichita, KS, United States, mktopuz@gmail.com, Mehmet B Yildirim, Ferhat Zengul, Ali Dag

3 - Ensemble Model With Cluster Analysis For Short-term Stock Prediction
Bin Weng, Auburn University, Auburn, AL, 36849, United States, bzw0018@auburn.edu, Fadel Mounir Megahed, Chen Li

■ SB08

103A-MCC

Health Care, Modeling II

Contributed Session

Chair: Shenghai Zhou, Shanghai Jiao Tong University, 1954 Hua Shan Road, Shanghai, 200030, China, zshsjtu2014@sjtu.edu.cn

1 - Planning And Scheduling Of Operating Rooms And Personnel Under Uncertainty
Dominic Johannes Breuer, PhD Candidate, Northeastern University, 360 Huntington Ave, Boston, MA, 02115, United States, dbreuer@coe.neu.edu, Nadia Lahrichi, James C Benneyan

2 - Second-order Conic Robust Optimization With Radiation Therapy Treatment Planning Of Breast Cancer
Zengbo Zhang, Beijing Institute of Technology, 5 South Zhongguancun Street, Beijing, 10081, China, zhangzengbo_1999@163.com

3 - Patient Assignment And Operation Room Scheduling Under Uncertainty Of Patient Cancellation And Operation Duration
Bowen Pang, Tsinghua univ., Beijing, China, pzkaixin@foxmail.com, Xiaolei Xie, Li Luo, Yongjia Song

4 - Using A Slotted Queuing Model To Predict Collaborative Emergency Center Operational Performance
Peter Vanberkel, Dahousie University, PO Box 1000, Halifax, NS, B3H 4R2, Canada, peter.vanberkel@dal.ca, Alix Carter, Ben Wedge

■ SB09

103B-MCC

Renewable Energy Policies

Sponsored: Energy, Natural Res & the Environment I Environment & Sustainability

Sponsored Session

Chair: Sandra D. Eksioglu, Clemson University, Clemson, SC, United States, seksiog@clemson.edu

1 - Biomass Supply Contract Pricing And Environmental Policy Analysis: An Agent-based Modeling Approach
Shiyang Huang, Iowa State University, Ames, IA, United States, shuang@iastate.edu, Guiping Hu

2 - On The Effectiveness Of Tax Incentives To Support Biomass Co-firing
Hadi Karimi, Clemson University, hkarimi@clemson.edu, Sandra D. Eksioglu

3 - A Game Theoretic Model Of Biomass Co-firing Policies
Sandra Eksioglu, Clemson University, seksiog@clemson.edu, Amin Khademi

4 - Evaluation Of A Wind Farm Project
Metin Cakanyildirim, The University of Texas at Dallas, metin@utdallas.edu

■ SB10

103C-MCC

Optimal Surveillance and Control of Bio-Invasions

Sponsored: Energy, Natural Res & the Environment I Environment & Sustainability

Sponsored Session

Chair: Esra Buyuktahtakin, Wichita State University, 1845 N Fairmount, Wichita, KS, Wichita, KS, 67260, United States, esra.b@wichita.edu

1 - Cooperative Management Of Invasive Species: A Dynamic Nash Bargaining Approach
Robert G Haight, USDA Forest Service Northern Research Station, St. Paul, MN, 55108, United States, rhaight@fs.fed.us
Kelly Cobourn, Gregory Amacher

2 - Stochastic Programming Approaches To Surveillance And Control Planning For Emerald Ash Borer Infestations In Cities
Eyyub Yunus Kibis, Wichita State University, eykibis@wichita.edu, Esra Buyuktahtakin, Robert Haight

3 - Optimal Design Of A Nation-wide Surveillance System For Early Detection Of An Invasive Bark Beetle
Rebecca Epanchin-Niell, Resources for the Future, Epanchin-Niell@rff.org

4 - Optimal Control Of Bio-invasions With Eradication Success Benchmarks And Management Of High Program Costs
Denys Yemshanov, Natural Resources Canada, Canadian Forest Service, Great Lakes Forestry Cente, Sault Ste. Marie, ON, P6A2E5, Canada, denys.yemshanov@canada.ca
Robert G Haight, Frank H. Koch, Robert Venette, Kala Studens, Ronald Fournier, Jean J Turgeon

■ SB11

104A-MCC

Clusters, Routes and Flows in Network Systems

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Foad Mahdavi Pajouh, University of Massachusetts Boston, 100 Morrissey Boulevard, Boston, MA, 02125, United States, foad.mahdavi@umb.edu

1 - Extreme-point Search Heuristics For Generalized Interval-flow Network Problems
Angelika Leskovskaya, Southern Methodist University, Dallas, TX, United States, aleskovs@lyle.smu.edu, Richard Barr

2 - Detecting Central Clusters In Networks
Maciej Rysz, NRC, mwrysz@ufl.edu, Foad Mahdavi Pajouh

3 - An Integrated Assignment Routing Network Representation For Solving The Multi Vehicle Routing Problem With Pickup And Delivery With Time Windows
Monireh Mahmoudi, Arizona State University, Tempe, AZ, 85283, United States, mmahmoudi@asu.edu, Chen Junhua, Xuesong Zhou

■ SB12

104B-MCC

Approximation Algorithms in Networks and Scheduling

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Viswanath Nagarajan, University of Michigan, 1205 Beal Ave, Ann Arbor, MI, 48105, United States, viswa@umich.edu

1 - Approximating Min-cost Chain-constrained Spanning Trees: A Reduction From Weighted To Unweighted Problems
Chaitanya Swamy, Combinatorics & Optimization, University of Waterloo, 200 University Avenue West, Waterloo, ON, Canada, cswamy@uwaterloo.ca
Andre Linhares

2 - K-trails: Recognition, Complexity, And Approximations
Mohit Singh, Microsoft Research, mohitsinghr@gmail.com

3 - Stabilizing Unstable Graphs Through Minimum Modification
Karthik Chandrasekaran, UIUC, karthe@illinois.edu

4 - Adaptive Submodular Ranking
Fatemeh Navidi, University of Michigan, navidi@umich.edu

■ SB13

104C-MCC

Advances in Structured Nonconvex Optimization

Sponsored: Optimization, Global Optimization

Sponsored Session

Chair: Fatma Kilinc Karzan, Assistant Professor, Carnegie Mellon University, 5000 Forbes Ave, Pittsburgh, PA, 15213, United States, fkilinc@andrew.cmu.edu

1 - Solving Standard Quadratic Programming By Cutting Planes
Andrea T. Lodi, École Polytechnique de Montréal, andrea.lodi@polymtl.ca

2 - Some Cut-generating Functions For Second-order Conic Sets
Asteroide Santana, Georgia Institute of Technology, Atlanta, GA, 30308, United States, asteroidemtm@gmail.com
Santanu Subhas Dey

3 - Polynomial Dc Decompositions And Applications
Georgina Hall, Princeton University, Princeton, NJ, United States, gh4@princeton.edu, Amir Ali Ahmadi

4 - A Second-order Cone Based Approach For Solving The Trust Region Subproblem And Its Variants
Nam Ho-Nguyen, Carnegie Mellon University, Pittsburgh, PA, United States, hnh@andrew.cmu.edu, Fatma Kilinc-Karzan

■ SB14

104D-MCC

OR In Agriculture

Invited: Agricultural Analytics

Invited Session

Chair: Margarit Khachatryan, Monsanto, United States, margarit.khachatryan@monsanto.com

1 - Government Interventions In Promoting Sustainable Practices In Agriculture
Duygu Akkaya, Stanford Graduate School of Business, Stanford, CA, United States, duygug@stanford.edu, Hau Lee, Kostas Bimpikis

2 - Accelerating Digital Agriculture Through Automated R&D Trial Placement Into Field Zones
Qinglin Duan, Monsanto, St. Louis, MO, United States, qinglin.duan@monsanto.com, David Ciemnoczolowski

3 - Combining Expert Estimates With Data To Obtain Hybrid Yield Distributions
Saurabh Bansal, Penn State University, sub32@psu.edu, Genaro J Gutierrez

4 - A Mathematical Model For Farm Scale Land Management Considering Uncertainty
Qi Li, Iowa State University, qili@iastate.edu, Guiping Hu

■ SB15

104E-MCC

Building Better Models: Innovations in Predictive Analytics

Invited: Modeling and Methodologies in Big Data

Invited Session

Chair: CP Teo, NUS, 1 Business Link, Singapore, 598727, Singapore, bizteocp@nus.edu.sg

1 - Multi-product Pricing Problem Using Experiments
Zhenzhen Yan`, National University of Singapore, Singapore, Singapore, a0109727@u.nus.edu, Cong Cheng, Karthik Natarajan, Chung-Piaw Teo

2 - Disruption Risk Mitigation In Supply Chains – The Risk Exposure Index Revisited
Sarah Yini Gao, NUS, 1, Singapore, Singapore, yini.gao@nus.edu.sg, Chung-Piaw Teo, David Simchi-Levi

3 - Provably Data-Driven Approximation Schemes For Joint Pricing And Inventory Control Models
Hanzhang Qin, Massachusetts Institute of Technology, Cambridge, MA, United States, hqin@mit.edu, Davis Simchi-Levi, Li Wang

4 - Lockers Network: A Solution To Last Mile Delivery Problem
Guodong Lyu, National University of Singapore Business School, #B1-01, BIZ2 Building, 1 Business Link, Singapore, 117592, Singapre, 117592, Singapore, guodong.lyu@u.nus.edu Chung-Piaw Teo

■ SB16

105A-MCC

Algorithms for Stochastic Programming

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Natashia L Boland, Georgia Institute of Technology, 755 Ferst Drive, NW, Atlanta, GA, 30332, United States, natashia.boland@isye.gatech.edu

1 - Scenario Set Partition Dual Bounds For Multi-stage Stochastic Programming
Ilke Bakir, PhD Candidate, Georgia Institute of Technology, Atlanta, GA, 30309, United States, ilkebakir@gatech.edu Natashia Boland, Brian Dandurand, Alan Erera

2 - Ampl Representation And Solution Of Multiple Stochastic Programming And Robust Optimization Formulations
Christian Valente, OptiRisk Systems, One Oxford Road, Uxbridge, UB9 4DA, United Kingdom, christian@optirisk-systems.com, Gautam Mitra, Christiano Arbex Valle, Robert Fourer

3 - Combining Progressive Hedging And Frank-Wolfe To Solve The Lagrangian Dual Of a Multistage Stochastic Integer Program
Natashia Boland, Georgia Institute of Technology, natashia.boland@isye.gatech.edu, Jeffrey Christiansen, Brian Dandurand, Andrew Eberhard, James Luedtke, Jeffrey Linderoth, Fabricio Oliveira

4 - First Order Approximation Methods For Estimating Decision Covariance In Stochastic Optimization
Sriram Sankaranarayanan, Johns Hopkins University, 3400, N. Charles St, Baltimore, MD, 21218, United States, ssankar5@jhu.edu, Felipe A Feijoo, Sauleh Ahmad Siddiqui

■ SB17

105B-MCC

Optimization Challenges in Modeling

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Leobardo Valera, University of Texas El Paso, 500 W. University Ave, El Paso, TX, 79968, United States, lvalera@miners.utep.edu

1 - Problem Of Moments Over Log-concave Measures
Christopher Thomas Ryan, The University of Chicago, Chicago, IL, United States, chris.ryan@chicagobooth.edu, Simai He, Bo Jiang, Teng Zhang

2 - Interval Constraint Solving Techniques And Model Order Reduction To Enhance The Solution Of Dynamic Systems
Leobardo Valera, The University of Texas at El Paso, lvalera@utep.edu, Martine Ceberio

■ SB18

106A-MCC

HPC in Optimization 1

Invited: High Performance Computing

Invited Session

Chair: Kibaek Kim, Argonne National Laboratory, 9700 South Cass Avenue, Building 240, Lemont, IL, 60439, United States, kimk@anl.gov

Co-Chair: Geoffrey Malcolm Oxberry, Lawrence Livermore National Laboratory, P. O. Box 808, Livermore, CA, 94551, United States, goxberry@gmail.com

1 - Asynchronous Parallelization Of Decomposition Methods
Kibaek Kim, Argonne National Laboratory, kimk@anl.gov

2 - Parallel Branch And Bound Revisited
Lluis-Miquel Munguia, Georgia Institute of Technology, lluis.munguia@gatech.edu, Geoffrey Malcolm Oxberry, Deepak Rajan

3 - Scalable Strategies Exploited by Parallel Nonlinear Solver PIPS-NLP
Nai-Yuan Chiang, United Technology Research Center, chiangn@utrc.utc.com

■ SB19

106B-MCC

Bilevel Programming: Methodology and Applications

Sponsored: Computing

Sponsored Session

Chair: Juan S. Borrero, University of Pittsburgh, 1012 Benedum Hall, Pittsburgh, PA, 15261, United States, jsb81@pitt.edu

Co-Chair: M. Hosein Zare, University of Pittsburgh, 1012 Benedum Hall, Pittsburgh, PA, 15260, United States, moz3@pitt.edu

1 - A Sampling-based Exact Approach For The Bilevel Mixed Integer Programming Problem
Leonardo Lozano, Clemson University, llozano@g.clemson.edu
Cole Smith

2 - On Bilevel Progams With Inexact Follower
M. Hosein Zare, University of Pittsburgh, moz3@pitt.edu

3 - Reliable Vehicle Sharing Program Network Design
Ran Zhang, University of South Florida, ranzhang@mail.usf.edu, Bo Zeng

4 - Sequential Max-min Bilevel Programming With Incomplete Information And Learning
Juan S. Borrero, University of Pittsburgh, jsb81@pitt.edu
Oleg A Prokopyev, Denis R. Saure

■ SB20

106C-MCC

Methods and Applications of Network Sampling

Invited: Tutorial

Invited Session

Chair: Mohammad Al Hasan, Indiana University/Purdue University, Department of Computer Science, Indianapolis, IN, 46202, United States, alhasan@iupui.edu

1 - Methods And Applications Of Network Sampling
Mohammad Al Hasan, Indiana University/Purdue University, Indianapolis, IN, 46202, United States, alhasan@iupui.edu

■ SB21

107A-MCC

Applications in Healthcare

Sponsored: Health Applications

Sponsored Session

Chair: Sarah Kadish, Dana-Farber Cancer Instititue, 450 Brookline Ave, Boston, MA, 02215, United States, sarah_kadish@dfci.harvard.edu

1 - Determining The Optimal Schedule For Premixing Chemotherapy Drugs
Donald Richardson, University of Michigan, 2753 IOE Building, 1205 Beal, Ann Arbor, MI, 48109-2117, United States, donalric@umich.edu, Amy Cohn

2 - Operations Research Applications At A Comprehesive Cancer Center
Victoria Jordan, University of Texas MD, vsjordan@mdanderson.org

3 - Factors That Predict Discharge Disposition At Admission For Veterans
Nicholas Ballester, Wright State University, 207 Russ Center, 3640 Col Glenn Hwy, Dayton, OH, 45435, United States, ballester.2@wright.edu, Pratik J Parikh

4 - Applications Of Real Time Locating Systems In Ambulatory Oncology
Sarah Kadish, Dana-Farber Cancer Instititue, Boston, MA, United States, sarah_kadish@dfci.harvard.edu, Constance Barysauskas, Ryan Leib, Avishai Mandelbaum, Petar Momcilovic, Arik Senderovich, Nikolaos Trichakis, Craig Bunnell

■ SB22

107B-MCC

Panel: Challenges of Implementing OR in the Healthcare Industry

Invited: ORinformed Healthcare Policies

Invited Session

Moderator: Michael W Carter, University of Toronto, Toronto, ON, Canada, carter@mie.utoronto.ca

1 - The Challenge Of Lean; Working With Health Professionals Who Think O.R. Means Operating Room
Panelist: Martin L Puterman, University of British Columbia, martin.puterman@sauder.ubc.ca

2 - Developing Good Collaborations And Avoiding Bad Ones
Panelist: Brian T Denton, University Of Michigan, btdenton@umich.edu

3 - The Good, The Bad, And The Ugly Of Publishing Operations Research Work In Medical Journals
Panelist: Sheldon H Jacobson, University of Illinois, shj@illinois.edu

4 - Struggles In Getting Data For Healthcare Research
Panelist: Amy Cohn, University Of Michigan, amycohn@umich.edu

5 - Moving The Needle In Public Health Decision Making
Panelist: Margaret L Brandeau, Stanford University, brandeau@stanford.edu

■ SB23

108-MCC

Joint Session MIF/HAS: Modeling and Optimization for Advanced Stage Liver and Kidney Disease Patients

Sponsored: Health Applications

Sponsored Session

Chair: Anahita Khojandi, University of Tennessee Knoxville, 521 John D. Tickle Building, 851 Neyland Drive, Knoxville, TN, 37996, United States, khojandi@utk.edu

Co-Chair: Murat Kurt, Merck Research Labs, 351 N. Sumneytown Pike, North Wales, PA, 19454, United States, murat.kurt7@gmail.com

1 - Optimal Liver Cancer Surveillance In Hepatitis C Infected Population
Qiushi Chen, Georgia Institute of Technology, Atlanta, GA, United States, chenqiushi0812@gatech.edu, Turgay Ayer, Jagpreet Chhatwal

2 - The Changing Etiology Of End Stage Liver Disease And The Implicationsfor The Liver Transplant Waitlist
Maria Mayorga, North Carolina State University, memayorg@ncsu.edu
Zinan Yu, Stephanie B Wheeler

3 - Investigating Steroid Withdrawal Strategies For Kidney Transplant Recipients
Yann B. Ferrand, Clemson University, Clemson, SC, United States, yferran@clemson.edu, Vibha Desai, Christina M. Kelton, Teresa M. Cavanaugh, Jaime Caro, Jens W. Goebel, Pamela C. Heaton

4 - Eliciting Patients' Revealed Risk Perceptions Of Dialysis And Death In Preemptive Living-donor Kidney Transplantation
Masoud Barah, University of Tennessee, Knoxville, TN, United States, mbarah@vols.utk.edu, Anahita Khojandi, Murat Kurt

■ SB24

109-MCC

Ecology of Innovation: Sources of Knowledge and Complements

Invited: Strategy Science

Invited Session

Chair: Daniel Levinthal, University of Pennsylvania, Wharton School, Philadelphia, PA, 189, United States, levinthal@wharton.upenn.edu

1 - Intra-firm Spillovers? The Stock And Flow Effects Of Collocation
Evan Rawley, Columbia Business School, New York, NY, United States, erawley@columbia.edu, Robert Seamans

2 - Waste Reduction Strategies: Less Is More
Luca Berchicci, Erasmus University, Rotterdam School of Business, Rotterdam, Netherlands, Berchicci @erasmus.edu
Nilanjana Dutt, Will G Mitchell

3 - Reload And Relaunch: Strategic Governance Of Platform Ecosystems
Joost Rietveld, Erasmus University, Burgemeester Oudlaan 50, Mandeville (T) Building, Room 7-41, Rotterdam, 3072AP, Netherlands, rietveld@rsm.nl, Melissa A Schilling, Christiano Bellavitis

4 - Value-Based Outsourcing
Joaquín Poblete, Pontificia Universidad Catolica de Chile, s, s, Chile, joaco.poblete@gmail.com, Jorge Martabit

■ SB25

110A-MCC

Improving Efficiency of Supply Chains through Scheduling

Invited: Project Management and Scheduling

Invited Session

Chair: Chelliah Sriskandarajah, Texas A&M University, College Station, TX, United States, chelliah@mays.tamu.edu

Co-Chair: Yunxia Peter Zhu, Assistant Professor, Rider University, Sweigart Hall 358, 2083 Lawrenceville Road, Lawrenceville, NJ, 08648, United States, yuzhu@rider.edu

1 - Provider Selection Framework For Bundled Payments In Healthcare
Seokjun Youn, Texas A&M University, College Station, TX, United States, syoun@mays.tamu.edu, Anupam Agrawal, Subodha Kumar, Chelliah Sriskandarajah

2 - A Framework For Analyzing The U. S. Coin Supply Chain
Yiwei Huang, Visiting Assistant Professor, The Pennsylvania State University, State College, PA, United States, yuh201@psu.edu

3 - Recent Results In Scheduling Dual Gripper Robotics Cells
Kyung Sung Jung, University of Florida, ksjung@ufl.edu, Harry Neil Geismar, Michael L Pinedo, Chelliah Sriskandarajah

4 - Cross-dock Terminal Scheduling
Yunxia Zhu, Rider University, yuzhu@rider.edu
Harry Neil Geismar, Chelliah Sriskandarajah, Inna Drobouchevitch

■ SB26

110B-MCC

Procurement Auctions

Invited: Auctions

Invited Session

Chair: Martin Bichler, Technische Universitat Munchen, Munich, Germany, bichler@in.tum.de

1 - Trust In Procurement Interactions
Nicolas Fugger, ZEW Mannheim, L7, 1, Mannheim, 68161, Germany, nicolas.fugger@zew.de, Elena Katok

2 - An Optimal Procurement Mechanism With Post-auction Cost-reduction Investigations
Qi (George) Chen, University of Michigan, Ann Arbor, MI, United States, georgeqc@umich.edu, Damian Beil, Izak Duenyas

3 - Linear Pricing In Large-scale Combinatorial Exchanges
Vladimir Fux, Technical University of Munich, vladimir.fux@tum.de, Martin Bichler

4 - Equilibrium Bidding Strategies In Ex-post Split-award Auctions With Diseconomies Of Scale
Gian-Marco Kokott, Technical University of Munich, Munich, Germany, gian.marco@dss.in.tum.de, Martin Bichler, Per Paulsen

■ SB27

201A-MCC

Diagnosis Under Uncertainty

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Sarang Deo, Indian School of Business, Hyderabad, India, sarang_deo@isb.edu

Co-Chair: Tinglong Dai, Johns Hopkins University, Baltimore, MD, United States, dai@jhu.edu

1 - False Diagnosis And Overtreatment In Services
Senthil Veeraraghavan, University of Pennsylvania, senthilv@wharton.upenn.edu

2 - Conspicuous By Its Absence: Diagnostic Expert Testing Under Uncertainty
Tinglong Dai, Assistant Professor, Johns Hopkins University, 100 International Drive, Baltimore, MD, 21202, United States, dai@jhu.edu, Shubhranshu Singh

3 - Incentizing Less-than-Fully-Qualified Providers For Early Diagnosis Of Tuberculosis In India
Sarang Deo, Indian School of Business, sarang_deo@isb.edu
Milind Sohoni, Neha Jha

4 - Medical Guideline Making When Litigation Is A Concern: The Role Of Ubiquitous Health Information
Mehmet U Ayvaci, University of Texas-Dallas, 800 W. Campbell Rd. SM33, Richardson, TX, 75080, United States, Mehmet.Ayvaci@utdallas.edu, Yeong In Kim, Srinivasan Raghunathan, Turgay Ayer

■ SB28

201B-MCC

MSOM Student Paper Competition Finalists – II

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Sameer Hasija, Insead, 1 Ayer Rajah Avenue, Singapore, 138676, Singapore, sameer.hasija@insead.edu

Co-Chair: Tolga Tezcan, London Business School, Regent's Park, London, NW1 4SA, United Kingdom, ttezcan@london.edu

Co-Chair: Nicos Savva, London Business School, Regent's Park, London, NW1 4SA, United Kingdom, nsavva@london.edu

■ SB29

202A-MCC

Innovations in the Operations-Marketing Interface

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Jose A Guajardo, University of California-Berkeley, Berkeley, CA, United States, jguajardo@berkeley.edu

1 - Does Online Learning Work In Retail?
Serguei Netessine, INSEAD, serguei.netessine@insead.edu
Marshall L Fisher, Santiago Gallino

2 - Business Models In The Sharing Economy: Manufacturing Durable Goods In The Presence Of Peer-to-peer Rental Markets
Zhe Zhang, Carnegie Mellon University, 4800 Forbes Avenue, Pittsburgh, PA, 15213, United States, zhezhang@cmu.edu
Vibhanshu Abhishek, Jose A Guajardo

3 - When The Bank Comes To You: Branch Network And Custsomer Multi-channel Banking Behavior
Vibhanshu Abhishek, CMU, vibs@andrew.cmu.edu
Beibei Li, Dan Geng

■ SB30

202B-MCC

Social and Environmental Considerations in Retailing

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Xiajun Amy Pan, University of Florida, Gainesville, FL, United States, amy.pan@warrington.ufl.edu

Co-Chair: Dorothee Honhon, University of Texas at Dallas, Richardson, TX, United States, dorothee.honhon@utdallas.edu

1 - Social Labeling: Leaderboard Or Threshold Policy?
Xiajun Amy Pan, University of Florida, amy.pan@warrington.ufl.edu, Quan Zheng, Asoo Vakharia

2 - The Impact Of Supply Chain Contracts On Inventory Shrinkage: Inference From Packaged Food Products
Min Choi, Arizona State University, mchoi9@asu.edu
Elliot Rabinovich, Timothy Richards

3 - Online Grocery Retail: Revenue Models And Environmental Impact
Elena Belavina, The University of Chicago, ?, chicago, IN, 6, United States, elena.belavina@chicagobooth.edu

4 - Incorporating Consumer Attitudes To Minimise Waste And Out-of-stock Situations In Food Retail
Emel Aktas, Senior Lecturer, Cranfield University, Cranfield, United Kingdom, emel.aktas@cranfield.ac.uk
Soroosh Saghiri, Zeynep Topaloglu, Tamara van 't Wout, Akunna Oledinma, Zahir Irani, Amir Sharif, A. K. Samsul Huda

■ SB31

202C-MCC

Empirical Research in Supply Networks

Sponsored: Manufacturing & Service Oper Mgmt, iFORM

Sponsored Session

Chair: Vishal Gaur, Cornell University, 321 Sage Hall, Ithaca, NY, 14850, United States, vg77@cornell.edu

Co-Chair: Yasin Alan, Vanderbilt University - Owen Graduate School of Management, 401 21st Avenue South, Nashville, TN, 37203, United States, yasin.alan@owen.vanderbilt.edu

1 - Evolution Of Supply Networks
Nikolay Osadchiy, Emory University, nikolay.osadchiy@emory.edu, Vishal Gaur, Maximiliano Udenio

2 - Inaccurate Durations And Supply Chain Disruptions
William Schmidt, Cornell University, wschmidt@cornell.edu, Mili Mehrotra

3 - Using Delay Forecasting To Correct Airline Turn Time Misallocation
Yannis Stamatopoulos, McCombs School of Business, Austin, TX, United States, yannis.stamos@mccombs.utexas.edu, Jun Li, Carlos Carvalho

4 - Shock Propagation In Supply Chain Networks
Jing Wu, University of Chicago, jwu7@chicagobooth.edu

■ SB32

203A-MCC

Scheduling II

Contributed Session

Chair: Mauricio G. C. Resende, Amazon.com, Inc., 2483 Birch Ave N, #512, Seattle, WA, 98109, United States, resendem@amazon.com

1 - Online Lazy Bureaucrat Scheduling With A Machine Deadline
Ling Gai, Shanghai University, Shanghai, 201444, China, lgai@shu.edu.cn

2 - A Model For Scheduling Practical Lessons And Selecting Teaching Assistants At Universities
Cristian D Palma, Assistant Professor, Universidad del Desarrollo, Avda. Sanhueza 1750, Pedro de Valdivia, Concepcion, 4040418, Chile, cristianpalma@ingenieros.udd.cl, Pablo Gonzalez, Pamela Riffo

3 - Scheduling Virtual Network Embeddings
Frank Fischer, University of Kassel, Heinrich-Plett-Str. 40, Kassel, 34132, Germany, frank.fischer@mathematik.uni-kassel.de, Andreas Bley

4 - An Improved Genetic Algorithm For Job-shop Scheduling
Mauricio G. C. Resende, Principal Research Scientist, Amazon.com, Inc., 333 Boren Ave N, Seattle, WA, 98109, United States, resendem@amazon.com
José F. Gonçalves

■ SB33

203B-MCC

Simulation and Optimization II

Contributed Session

Chair: Ryan Lawhead, Research Assistant to Dr. Gosavi, Missouri University of Science and Technology, 223 Engineering Management Building, Rolla, MO, 65409, United States, rjlm97@mst.edu

1 - A Study on The Operations Analysis Using Big Data Developed by Simulations
Hongseon Park, University of Central Florida, Orlando, FL, United States, gauss1211@naver.com, Won Il Jung, Yong Bok Lee, Gakgyu Kim, Gene Lee, Rabelo Luis

2 - Cloud Based Collaborative Information Sharing In Supply Chains
Cigdem Kochan, Assistant Professor, Ohio Northern University, Dicke College of Business Administration, 525 S Main St, Ada, OH, 45810, United States, cigdem.kochan@gmail.com, David R. Nowicki

4 - A Fully Exploratory Reinforcement Learning Algorithm For Solving Semi-Markov Decision Processes
Angelo Encapera, Research Assistant, Missouri University of Science & Technology, Rolla, MO, 65409, United States, amet3b@mst.edu, Abhijit Gosavi

5 - A Bounded Actor Critic Algorithm For Reinforcement Learning
Ryan Lawhead, Research Assistant to Dr. Gosavi, Missouri University of Science and Technology, 223 Engineering Management Building, Rolla, MO, 65409, United States, rjlm97@mst.edu, Abhijit Gosavi, Susan Murray

■ SB34

204-MCC

Data-Driven Decisions in Healthcare

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Vishal Ahuja, Southern Methodist University, Dallas, TX, United States, vahuja@smu.edu

1 - Optimizing Cancer Prevention Strategies For BRCA1/2 Mutation Carriers
Elisa Frances Long, Assistant Professor, UCLA Anderson School of Management, Los Angeles, CA, United States, elisa.long@anderson.ucla.edu, Eike Nohdurft, Stefan Spinler

2 - Predictive Models For Making Patient Screening Decisions
Michael Hahsler, Southern Methodist University, Dallas, TX, United States, mhahsler@lyle.smu.edu, Vishal Ahuja, Michael Bowen

3 - Belief Perseverance And Experience
Bradley R Staats, University of North Carolina at Chapel Hill, bstaats@unc.edu, Diwas S KC, Francesca Gino

4 - Being On The Productivity Frontier: Identifying "Triple Aim Performance" Hospitals
Sriram Venkataraman, University of South Carolina, sriram.venkataraman@moore.sc.edu
Aleda Roth, Anita L Tucker, Jon A Chilingerian

■ SB35

205A-MCC

Behavioral Models in Service Operations

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Guillaume Roels, UCLA, Anderson School of Management, Los Angeles, CA, 90095, United States, groels@anderson.ucla.edu

1 - Pricing With Consumer Optimism And Quality Perception: From Experiment To Theory
Rim Hariss, Massachusetts Institute of Technology, 254Windsor Street, Apt 2L, Cambridge, MA, 02139, United States, rhariss@mit.edu, Georgia Perakis, Wichinpong Sinchaisri, Yanchong Zheng

2 - Impact Of Server Behavior On The Performance Of Queueing Systems
Masha Shunko, University of Washington, mshunko@gmail.com

3 - Pooling Queues With Work Averse Servers
Guillaume Roels, UCLA, groels@anderson.ucla.edu, Mor Armony, Hummy Song

■ SB36

205B-MCC

Incentives and Risk in Supply Chains

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Karan Girotra, INSEAD, Fontainebleau, France, karan.girotra@insead.edu

Co-Chair: Simone Marinesi, Wharton, Philadelphia, PA, United States, marinesi@wharton.upenn.edu

1 - Fleet Management For Healthcare Delivery In Africa: Vehicle Ownership And Contracting Models
Sang-Hyun Kim, Associate Professor, Yale University, New Haven, CT, United States, sang.kim@yale.edu, Li Chen, Hau Leung Lee

2 - Learning (or Not) From Precursors To Disasters
Heikki Peura, Imperial College, London, United Kingdom, hpeura@london.edu, Nitin Bakshi

3 - Supply Disruptions And Optimal Network Structures
Kostas Bimpikis, Stanford, kostasb@stanford.edu, Ozan Candogan, Shayan Ehsani

■ SB37

205C-MCC

Supply Chain Topics

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Robert Bray, Kellogg School of Management, 830 Hinman Ave. Apt. 2S, Evanston, IL, 60202, United States, robertlbray@gmail.com

1 - Buyer Intermediation In Supplier Finance
Tunay Tunca, Professor, Unversity of Maryland, College Park, MD, 20910, United States, ttunca@rhsmith.umd.edu, Weiming Zhu

2 - Shock Spillover And Financial Response In Supply Chain Networks: Evidence From Firm-Level Data
Andrew Wu, Assistant Professor of Tech, Operations, Finance, Ross School of Business, University of Michigan, Ann Arbor, MI, United States, andydiwu@umich.edu, Jun Li

3 - Unbundling Of Ancillary Service: How Does Price Discrimination Of Main Product Matter?
Yao Cui, Cornell University, Ithaca, NY, United States, yao.cui@cornell.edu, Izak Duenyas, Ozge Sahin

4 - Centralized Vs. Decentralized Platform Markets
Daniela Saban, Stanford GSB, dhs2131@columbia.edu, Yash Kanoria

■ SB38

206A-MCC

Innovation: Choices and Constraints

Invited: New Product Development

Invited Session

Chair: Pascale Crama, Singapore Management University, Singapore, Singapore, pcrama@smu.edu.sg

1 - The Role Of Form In Product Evolution: An Analysis Of Styles
Tian Chan, Emory University, Atlanta, GA, 3, United States, tianheong.chan@insead.edu, Jurgen Mihm, Manuel Sosa

2 - Implementing Corporate Entrepreneurship With Contests
Lakshminarayana Nittala, University of California San Diego, La Jolla, CA, 92037, United States, lnittala@ucsd.edu, Sanjiv Erat, Viswanathan Krishnan

3 - Contracts With Reciprocal Buyout Options
Pascale Crama, Singapore Management University, pcrama@smu.edu.sg, Niyazi Taneri

■ SB39

207A-MCC

Mean Field Models and Economic Applications

Sponsored: Applied Probability

Sponsored Session

Chair: Ramesh Johari, Stanford University, Stanford, CA, United States, ramesh.johari@stanford.edu

1 - Mean Field Models For Economic Applications
Ramesh Johari, Stanford University, ramesh.johari@stanford.edu

■ SB40

207B-MCC

Applications of Data Envelopment Analysis

Invited: Data Envelopment Analysis

Invited Session

Chair: Daiki Wakayama, Komazawa University, 1-23-1-2409 komazawa, Setagaya-ku, Tokyo, 154-8525, Japan, dwakayam@komazawa-u.ac.jp

1 - Transmission Congestion And Eco-technology Innovation In U.S. Electric Power Industry Measured by DEA Environmental Assessment
Daiki Wakayama, Komazawa University, Tokyo, 3510021, Japan, dwakayam@komazawa-u.ac.jp, Mika Goto, Toshiyuki Sueyoshi

2 - Study Of Capital Requirement And Bank Operating Efficiency
Yang Li, National University of Kaohsiung Kaohsiung, yangli@nuk.edu.tw

3 - Statistical Measure Of Goodness On Quantitative Models Of Efficiency And Effectiveness
Abbas Attarwala, University of Waterloo, Waterloo, ON, Canada, aattarwa@uwaterloo.ca, Stanko Dimitrov, Amer Obeidi

4 - The Group And Individual Evaluation Using Fuzzy Dea
Hiroshi Morita, Osaka University, Suita, Japan, morita@ist.osaka-u.ac.jp, Rui Dai, Minghao Chen

■ SB41

207C-MCC

Spectral Methods in Finance: Option Pricing and Econometrics

Sponsored: Financial Services

Sponsored Session

Chair: Lingfei Li, Assistant Professor, The Chinese University of Hong Kong, 608 William M.W.Mong Engineerng Building, Shatin, N.T., none, Hong Kong, lfli@se.cuhk.edu.hk

1 - Error Analysis Of Finite Difference And Markov Chain Approximations For Option Pricing With Non-smooth Payoffs
Gongqiu Zhang, PhD Candidate, The Chinese University of Hong Kong, ERB 802, Hong Kong, gqzhang@se.cuhk.edu.hk, Lingfei Li

2 - Long Forward Probabilities, Recovery And The Term Structure Of Bond Risk Premiums
Likuan Qin, Northwestern University, Evanston, IL, 60016, United States, likuan.qin@gmail.com, Vadim Linetsky

3 - Parametric Inference Of Discretely Observed Subordinate Diffusions
Weiwei Guo, The Chinese University of Hong Kong, wwguo@se.cuhk.edu.hk

■ SB42

207D-MCC

Quantitative Methods in Finance XIII

Sponsored: Financial Services

Sponsored Session

Chair: Changle Lin, Princeton University, Jersey City, NJ, United States, changlel@princeton.edu

Co-Chair: Woo Chang Kim, Associate Professor, KAIST, KAIST 291, Daehak-ro, Yuseong-gu, Daejeon, 34141, Korea, Republic of, wkim@kaist.ac.kr

1 - Goal-based Investment Via Multi-stage Stochastic Programming For Robo Advisor Service
Woo Chang Kim, KAIST, wkim@kaist.ac.kr

2 - How To Train Your Lawyer
Ephrat Bitton, Future Advisor, ephratb@gmail.com

3 - Pricing And Hedging Guaranteed Minimum Withdrawal Benefit With High Water Mark Benefit Base
Peiqi Wang, Princeton University, Princeton, NJ, United States, peiqiw@princeton.edu, Patrick Cheridito

4 - About Holistic Robo-advice Engine
Dan Dibartolomeo, Northfield Information, dan@northinfo.com

■ SB43

208A-MCC

Systems Engineering and Decision Analysis

Sponsored: Decision Analysis

Sponsored Session

Chair: Robert F Bordley, PMP, MBA, Booz Allen Hamilton, Troy, MI, United States, bordley_robert@bah.com

1 - Value-focused Thinking For Engineering Resilient Systems
Greg Parnell, University of Arkansas, gparnell@uark.edu

2 - The Systems Engineering Approach To Setting Design Targets
Robert Bordley, Booz Allen Hamilton, bordley_robert@bah.com

3 - A Bayesian Method For Selecting Elite Varieties Of Soybean
Jack Kloeber, Kromite, LLC, 82 Nelson Drive, Churchville, PA, 18966, United States, jkloeber@kromite.com, Joseph Byrum, Tracy Doubler, Greg Doonan, Craig Davis, Peiran Zhao

■ SB44

208B-MCC

Decision Analysis, Game Theory, and Homeland Security

Sponsored: Decision Analysis

Sponsored Session"

Chair: Jun Zhuang, University at Buffalo, SUNY, Buffalo, NY, United States, jzhuang@buffalo.edu

Co-Chair: Jing Zhang, University at Buffalo, SUNY, University at Buffalo, SUNY, Buffalo, NY, 14228, United States, jzhang42@buffalo.edu

1 - Defensibility - A New Concept In Risk Analysis
Vicki Bier, University of Wisconsin-Madison, vicki.bier@wisc.edu
Alexander Gutfraind, Ziyang Lu

2 - Using The Concept Of Multidimensional System Resilience In Decision And Risk Analysis
Dante Gama Dessavre, Stevens Institute of Technology, dgamades@stevens.edu, Jose Emmanuel Ramirez-Marquez

3 - Behavioral Experiments On Deterrence
Richard John, USC, richardj@usc.edu

4 - A Robust Optimization Approach For Electric Power Grid Protection
Alberto Costa, NUS, Singapore, Singapore, isealc@nus.edu.sg
Alberto Costa, Future Resilient Systems (FRS) - ETH Zurich, Singapore, Singapore, isealc@nus.edu.sg

■ SB45

209A-MCC

Model Uncertainty, Risk, & Compliance

Invited: Risk and Compliance

Invited Session

Chair: Ricky Rambharat, Lead Statistician, Office of the Comptroller of the Currency, 400 7th SW, Mail-stop 6E-2, Washington, DC, 20219, United States, ricky.rambharat@occ.treas.gov

1 - Missing Data Inference With Application To The Home Mortgage Disclosure Act
Andrew Porter, Office of the Comptroller of the Currency, Washington, DC, United States, andrew.porter@occ.treas.gov
Tong-yob Nam

2 - Prudential Policies And Their Impact On Credit In The United States
Paul Calem, FRB of Philadelphia, paul.calem@phil.frb.org

3 - Forecast Combination Of Machine Learning Models With Application To Camels Early-warning Systems
Lewis Gaul, Office of the Comptroller of the Currency, lewis.gaul@occ.treas.gov

■ SB46

209B-MCC

Sharing Economy, Mechanism Design and Networks I

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Santiago Balseiro, Duke University, Durham, NC, United States, sbalseiro@gmail.com

Co-Chair: Ozan Candogan, University of Chicago, Durham, NC, United States, ozan.candogan@chicagobooth.edu

1 - Matching Markets With Search Frictions
Nicholas A. Arnosti, Stanford University, narnosti@stanford.edu

2 - Dynamic Mechanisms With Martingale Utilities
Santiago Balseiro, Duke University, srb43@duke.edu, Vahab Mirrokni, Renato Paes Leme

3 - Ridesharing Networks
Ozan Candogan, University of Chicago, 7449 9th Street, Unit 472, Durham, NC, 27705-1084, United States, ozan.candogan@chicagobooth.edu, Daniela Saban, Konstantinos Bimpikis

4 - Tractable Equilibria For Sponsored Search With Budget Optimizing Bidders
Dragos Florin Ciocan, INSEAD, florin.ciocan@insead.edu, Krishnamurthy Iyer

■ SB47

209C-MCC

New Topics in Revenue Management and Pricing

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: So Yeon Chun, McDonough School of Business, Georgetown University, Washington, DC, United States, sc1286@georgetown.edu

1 - Worker Poaching In A Supply Chain: Enemy From Within?
Gad Allon, Northwestern University, g-allon@kellogg.northwestern.edu, Achal Bassamboo, Evan Barlow

2 - The Revenue Impact Of Dynamic Pricing Policies In Major League Baseball Ticket Sales
Joseph Xu, University of Pennsylvania, Philadelphia, PA, United States, jiaqixu@wharton.upenn.edu, Senthil Veeraraghavan, Peter Fader

3 - Designing Rewards-based Crowdfunding Campaigns For Strategic Contributors
Soudipta Chakraborty, Duke University, Durham, NC, 27708, United States, sc390@duke.edu, Robert Swinney

4 - Setting The Optimal Value Of Loyalty Points
So Yeon Chun, McDonough School of Business, Georgetown University, sc1286@georgetown.edu, Dan Andrei Iancu, Nikolaos Trichakis

■ SB48

210-MCC

Social Media Analytics for Businesses

Invited: Social Media Analytics

Invited Session

Chair: Panagiotis Adamopoulos, New York University, School of Business, New York, NY, 11111, United States, padamopo@stern.nyu.edu

1 - Monetizing Sharing Traffic Through Incentive Design: Evidence From A Randomized Field Experiment
Tianshu Sun, University of Southern California, 3330 Van Munching Hall, Los Angeles, CA, 20742, United States, tianshu.sun@gmail.com, Siva Viswanathan, Elena Zheleva

2 - Realizing The Activation Potential Of Online Communities
Marios Kokkodis, Boston College, kokkodis@bc.edu

3 - Word Of Mouth Vs. Word Of Health Inspectors: Evidence From Restaurant Reviews
Chenhui Guo, University of Arizona, 1130 E Helen St, McClelland Hall 430, Tucson, AZ, 85721, United States, chguo@email.arizona.edu, Paulo B Goes, Mingfeng Lin

4 - The Role Of Dimensionality Reduction In Binary Classification For Social Network Data
Jessica Clark, New York University, jclark@stern.nyu.edu, Foster Provost

■ SB49

211-MCC

Case Competition II

Sponsored: Education (INFORMED)

Sponsored Session

Chair: Palaniappa Krishnan, University of Delaware, Newark, DE, United States, baba@udel.edu

1 - Dynamic In-Game advertising: Managing Complex High-Stakes Operations
Alan Scheller-Wolf, Carnegie Mellon University, Pittsburgh, PA, United States, awolf@andrew.cmu.edu, John Turner

2 - Shipment Consolidation And Dispatching Problem At Ekol Logistics
Sinem Tokcaer, zmir University of Economics, Izmir, Turkey, sinem.tokcaer@ieu.edu.tr, Ozgur Ozpeynirci, Muhittin H. Demir, Irem Celik

3 - Inventory Optimization For Rent The Runway
Vincent Slaugh, Cornell University, Ithaca, NY, United States, vslaugh@cornell.edu, Sridhar Tayur

4 - The Safe Birth Clinic
Milind Dawande, The University of Texas at Dallas, Richardson, TX, United States, milind@utdallas.edu, Tim Huh, Ganesh Janakiraman, Mahesh Nagarajan, Yang Bo

■ SB50

212-MCC

Decision Making in Healthcare

Sponsored: Minority Issues

Sponsored Session

Chair: Shannon Harris, Ohio State University, 600 Fisher Hall, Columbus, OH, 43210, United States, harris.2572@osu.edu

1 - Simulation Optimization To Inform Decision Making In Birth
Karen T Hicklin, University of North Carolina, Chapel Hill, NC, United States, kthickli@ncsu.edu, Julie Ivy

2 - Dynamic Control Of A Single Server System When Jobs Change Status
Gabriel Zayas-Caban, University of Michigan, gzayasca@umich.edu

3 - Online Overbooking Strategies In Outpatient Specialty Clinics With No-shows And Advance Cancellations
Shannon Harris, Ohio State University, harris.2572@osu.edu Jerrold H May, Luis G Vargas

4 - Modeling For The Equitable And Effective Distribution Of Food Donations Under Stochastic Capacities
Irem Sengul Orgut, Quality Analytics Project Manager, Lenovo, Raleigh, NC, United States, isengul@ncsu.edu, Julie Ivy, Reha Uzsoy

■ SB51

213-MCC

Emergency Response, Recovery, and Resilience

Sponsored: Public Sector OR

Sponsored Session

Chair: Laura Albert McLay, University of Wisconsin-Madison, 3218 Mechanical Engineering Building, 1513 University Avenue, Madison, WI, 53706, United States, laura@engr.wisc.edu

1 - Resilience-based Component Importance Measures For Interdependent Infrastructure Networks
Yasser Almoghathawi, University of Oklahoma, Norman, OK, United States, moghathawi@ou.edu
Kash Barker

2 - An Integrated Network Design And Scheduling Problem For Network Recovery And Emergency Response
Suzan Afacan, Graduate Student, University of Wisconsin-Madison, Madison, WI, 53705, United States, iloglu@wisc.edu, Laura Albert McLay

3 - Dynamic Programming For Ambulance Fleet Management
Amir Rastpour, Postdoctoral Fellow, University of Western Ontario, Ivey Business School, 1255 Western Road,, London, ON, N6G0N1, Canada, arastpour@ivey.uwo.ca, Mehmet A. Begen, Armann Ingolfsson, Greg Zaric

■ SB52

214-MCC

Proactive Planning Against Weather Events

Sponsored: Public Sector OR

Sponsored Session

Chair: Ozlem Ergun, Northeastern University, 453 Meserve, 360 Huntington Avenue, Boston, MD, 02115, United States, o.ergun@neu.edu

Co-Chair: Mahsa Ghanbarpour Mamaghani, Northeastern University, 360 Huntington Avenue, Boston, MA, 02115, United States, ghanbarpourmamagh.m@husky.neu.edu

1 - A Forecast Driven Model For Prepositioning Supplies In Preparation For A Hurricane
Gina Galindo, University of Del Norte, ggalindo@uninorte.edu.co
Rajan Batta

2 - Modeling Proactive Surgery Cancellation With Weather Forecast Updates
Mahsa Ghanbarpour Mamaghani, Northeastern University, Boston, MA, 02148-8208, United States, ghanbarpourmamagh.m@husky.neu.edu, Ozlem Ergun

■ SB53

Music Row 1- Omni

Emerging Trends in Business Innovation

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Chair: Fangyun Tan, Southern Methodist University, 6212 Bishop Blvd, Dallas, TX, 75275, United States, ttan@cox.smu.edu

1 - Impact Of Tabletop Technology On Restaurant Performance
Fangyun Tan, Southern Methodist University, ttan@cox.smu.edu, Serguei Netessine

2 - The Role Of Surge Pricing On A Service Platform With Self-scheduling Capacity
Kaitlin Daniels, Assistant Professor, Olin Business School, Washington University in St. Louis, St Louis, MO, United States, k.daniels@wustl.edu

3 - Team Leadership And Performance: Combining The Roles Of Direction And Participation
Morvarid Rahmani, Georgia Institute of Technology, 800 West Peachtree Street, NW, Atlanta, GA, 30308-1149, United States, morvarid.rahmani@scheller.gatech.edu, Uday Karmarkar, Guillaume Roels

4 - Sole Inventor Vs Team Of Inventors: What's Best?
Tian Chan, Emory University, Atlanta, GA, United States, tianheong.chan@insead.edu, Jurgen Mihm, Manuel Sosa

■ SB54

Music Row 2- Omni

Meet the Editors of Service Science

Sponsored: Service Science

Sponsored Session

Chair: Paul Maglio, University of California, Merced, School of Engineering, Merced, CA, 95343, United States, pmaglio@ucmerced.edu

■ SB55

Music Row 3- Omni

Modeling and Optimization for Renewable Energy Integration

Sponsored: Service Science

Sponsored Session

Chair: Jian Guo, Western New England University, Western New England University, Springfield, MA, 01119, United States, jian.guo@wne.edu

Co-Chair: Zhaojun Li, Western New England University, Western New England University, Springfield, MA, United States, zhaojun.li@wne.edu

1 - Impact Of Future Wind Power Scenarios On The Distributionally Robust Operation And Cost Of Reserves
Bita Analui, Post Doctoral Scholar, Ira A. Fulton Schools of Engineering, Arizona State University, Tempe, AZ, 85287-9309, United States, Bita.Analui@asu.edu, Anna Scaglione

2 - The Quest For Zero-carbon Supply Chain: An Onsite Generation Approach
Tongdan Jin, Texas State University, tj17@txstate.edu

3 - Robust Transmission Planning Under Uncertain Generation Investment And Retirement
Lizhi Wang, Iowa State University, lzwang@iastate.edu, Bokan Chen

4 - Data-driven Stochastic Unit Commitment For Integrating Wind Generation
Chaoyue Zhao, Oklahoma State University, chaoyue.zhao@okstate.edu

■ SB56

Music Row 4- Omni

Analytical Models in E-business

Sponsored: E-Business

Sponsored Session

Chair: Yonghua Ji, University of Alberta, School of Business, Edmonton, AB, T6G2R6, Canada, yji@ualberta.ca

1 - Announcing Privacy Threshold In Mobile Platform Competition
Zixuan Meng, University of Washington, zxmeng@uw.edu

2 - How Much To Open, How Fast To Fix And Develop? Impacts Of Openness On Software Development And Maintenance
Rakesh R Mallipeddi, Texas A&M University, College Station, TX, 77840, United States, rmallipeddi@mays.tamu.edu
Emre Muzaffer Demirezen, Ram Gopal, Subodha Kumar

3 - Crowdfunding Mechanism Design And Its Effect On Fundraising
Aravinda Garimella, University of Washington, aravinda.garimella@gmail.com

4 - Dynamics And Efficiency Of a Mobile Platform
Ruibing Wang, University of Science and Technology of China, Hefei, China, ruibing@mail.ustc.edu.cn, Qinglong Gou, Yonghua Ji

■ SB57

Music Row 5- Omni

Behavioral Research on Inventory and Pricing

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Elena Katok, University of Texas at Dallas, Richardson, TX, United States, ekatok@utdallas.edu

1 - Negotiating Transshipments Prices For Improving Supply Chain Coordination
Sebastian Villa, University of Los Andes, Bogotá, Colombia, villabes@usi.ch, Elena Katok

2 - Newsvendors' Decisions Revisited
Tobias Stangl, University of Cologne, tobias.stangl@uni-koeln.de
Elena Katok, Ulrich Thonemann

3 - Procurement In The Presence Of Supply Disruptions
Elena Katok, University of Texas at Dallas, ekatok@utdallas.edu

4 - Profit-sharing Or Target-with-bonus? A Behavioral Investigation
Kay-Yut Chen, University of Texas at Arlington, UTA, Arlington, TX, 1, United States, kychen@uta.edu
Shan Li, Ying Rong

■ SB58

Music Row 6- Omni

Energy II

Contributed Session

Chair: Alberto J Lamadrid, Assistant Professor, Lehigh University, 621 Taylor Street, R451, Bethlehem, PA, 18015-3120, United States, ajlamadrid@ieee.org

1 - Optimal Transmission Line Switching Under Geomagnetic Disturbances
Mowen Lu, Clemson University, Industrial Engineering Department, 801 7th St. Apt 21B, Los Alamos, NM, 87544, United States, mlu87@g.clemson.edu, Russell Bent, Scott Backhaus, Harsha Nagarajan, Emre Yamangil

2 - Management Of Electric Vehicles Participation In Smart Grids For Demand Response
Nasim Nezamoddini, Ms., State University of New York - Binghamton, 222 Main Street, Apt 1, Binghamton, NY, 13905, United States, nasim.nezam@gmail.com

3 - A Computationally Efficient Branch-and-cut Method For Robust Unit Commitment
Narges Kazemzadeh, Iowa State University, 3004 black engineering, Ames, IA, 50011-2164, United States, narges.kazemzadeh@gmail.com, Sarah M Ryan

4 - Modeling And Computation Of Reliable Grid Expansion
Bo Zeng, University of Pittsburgh, Department of Industrial Engineering, Pittsburgh, PA, 15260, United States, bzeng@pitt.edu, Hossein Haghighat

5 - Interdependencies In The Communications And Electrical Networks
Alberto J Lamadrid, Assistant Professor, Lehigh University, 621 Taylor Street, R451, Bethlehem, PA, 18015-3120, United States, ajlamadrid@ieee.org, Basel Alnajjab, Lawrence V. Snyder, Rick Blum, Shalinee Kishore

■ SB59

Cumberland 1- Omni

TSL Keynote Address

Keynote Session

Chair: Stephen D Boyles, The University of Texas at Austin, 301 E. Dean Keeton St. Stop C1761, Austin, TX, 78712, United States, sboyles@gmail.com

1 - City Logistics: Challenges And Opportunities
Martin W P Savelsbergh, Georgia Institute of Technology, School of Industrial and Systems Engineering, Atlanta, GA, 30332-0205, United States, martin.savelsbergh@isye.gatech.edu
Tom Van Woensel

■ SB60

Cumberland 2- Omni

Advances in Traffic Equilibrium and Network Loading Models

Sponsored: TSL, Urban Transportation

Sponsored Session

Chair: Yang Liu, National University of Singapore, National University of Singapore, Singapore, 00000, Singapore, iseliuy@nus.edu.sg

1 - Time-based Equilibrium For Staggered Bottleneck Congestion With Heterogeneous Commuters
Yang Liu, National University of Singapore, iseliuy@nus.edu.sg

2 - Price Of Satisficing: Bounding The Performance Of Boundedly Rational User Equilibrium
Mahdi Takalloo, University of South Florida, Tampa, FL, United States, mtakalloo@mail.usf.edu
Changhyun Kwon

3 - Path Based Formulations For Generalized Bounded Rationality And Multi-commodity Network Design
Changhyun Kwon, University of South Florida, 4202 E. Fowler Ave. ENB118, Tampa, FL, 33620, United States, chkwon@usf.edu
Longsheng Sun, Mark H Karwan

4 - Node Modeling For Congested Urban Road Networks
Saif Eddin G Jabari, New York University Abu Dhabi, sej7@nyu.edu

■ SB61

Cumberland 3- Omni

Advances in Railway Research

Sponsored: Railway Applications

Sponsored Session

Chair: Shantih Marie Spanton, CSX, 31 West Adams Street, Apt 607, Jacksonville, FL, 32202, United States, shantihs@gmail.com

1 - Csx Line-of-Road Simulation
Yu Wang, CSX, Jacksonville, FL, United States, yu_wang@csx.com
Jagadish Jampani, Lray Rahn

2 - Crew Caller Districting With Consideration Of Workload Balance And Geographic Compactness
Siyang Xie, U of Illinois at Urbana-Champaign, Urbana, IL, United States, sxie13@illinois.edu, Yanfeng Ouyang, Kamalesh Somani

3 - Scheduling Preventive Grinding For Railway Maintenance
Masoumeh Taslimi, Operations Research Manager, CSX Transportation, Jacksonville, FL, United States, masoumeh_taslimi@csx.com, Kamalesh Somani, Siyang Xie, Yanfeng Ouyang

4 - Scheduling Training Activities For Engineers And Conductors
Grigory Pastukhov, CSX, grigoriypas@gmail.com

■ SB62

Cumberland 4- Omni

Aviation Applications Section: Best Student Presentation Competition II

Sponsored: Aviation Applications

Sponsored Session

Chair: Lavanya Marla, University of Illinois, 216E Transportation Building, 104 S. Mathews Ave., Urbana, IL, 61801, United States, lavanyam@illinois.edu

■ SB63

Cumberland 5- Omni

Alternative Fuel Vehicles and Sustainable Transportation

Sponsored: TSL, Urban Transportation

Sponsored Session

Chair: Jee Eun Kang, University at Buffalo, 409 Bell Hall, Buffalo, NY, 14260, United States, jeeeunka@buffalo.edu

Co-Chair: Changhyun Kown, University of South Florida, 4202 E. Fowler Ave. ENB118, Tampa, FL, 33620, United States, chkwon@usf.edu

1 - Economic Analysis On Adopting Strategies Of Electric Vehicles For Urban Parcel Delivery Industry
Nan Ding, University at Buffalo, Nanding@Buffalo.edu, Changhyun Kwon, Rajan Batta

2 - Incorporating Demand Dynamics In Multi Period Capacitated Recharging Location Planning For Electric Vehicles
Anpeng Zhang, University at Buffalo, Buffalo, NY, United States, anpengzh@buffalo.edu, Jee Eun Kang, Changhyun Kwon

3 - Long-term Planning Of Inter-city Battery Electric Vehicle Fast Charging Stations For The State Of California
Fei Xie, Oak Ridge National Laboratory, Knoxville, TN, United States, xief@ornl.gov, Changzheng Liu, Shengyin Li, Yongxi Huang, Zhenhong Lin

4 - Intercity Network Of Refueling Stations For Plug-in Electric Vehicles
Mehrnaz Ghamami, Assistant Professor, Michigan State University, 428 S. Shaw Lane, Room 3502, East Lansing, MI, 48824, United States, ghamamim@msu.edu

■ SB64

Cumberland 6- Omni

Applications and Methodological Issues on MCDM

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Danielle Morais, Universidade Federal de Pernambuco, Recife - PE, Brazil, daniellemorais@yahoo.com.br

Co-Chair: Adiel Teixeira De Almeida Filho, Universidade Federal de Pernambuco, Management Engineering Department, Recife, Brazil, adieltaf@cdsid.org.br

1 - A Navy Weapon Selection Throughout Fitradeoff
Adiel Teixeira De Almeida Filho, Assistant Professor, Universidade Federal de Pernambuco, Recife, Brazil, adieltaf@cdsid.org.br, Leonardo A Pessoa, Rodrigo Ferreira, Adiel Teixeira de Almeida

2 - A Multicriteria Model For Supplier Selection Based On A Multilinear Utility Function
Felipe Macedo de Morais Pinto, Universidade Federal de Pernambuco, felipe_mmp94@hotmail.com, Adiel Teixeira De Almeida Filho

3 - Computing Interval Weights For Incomplete Pairwise Comparison Matrices Of Large Dimension – A Weak Consistency Based Approach
Jana Krejcí, PhD Student, University of Trento, Via Sommarive 9, Povo, Trento, 38123, Italy, jana.krejci@unitn.it
Jana Krejcí, PhD Student, University of Bayreuth, Universitat sstr. 30, Bayreuth, D-95440, Germany, jana.krejci@unitn.it, Vera Jandova, Jan Stoklasa, Michele Fedrizzi

■ SB65

Mockingbird 1- Omni

Learning Analytics of Massive Open Online Courses (MOOCs)

Sponsored: Information Systems

Sponsored Session

Chair: Sang Pil Han, Arizona State University, Arizona State University, Tempe, AZ, 85281, United States, sangpil78@gmail.com

1 - Cohort Size And User Engagement: A MOOC Field Experiment
Jiye Baek, Boston University, jiyebaek@bu.edu
Jesse C Shore

2 - Towards Improved Education For Students Of Low Socioeconomic Status: Learning Analytics Of Massive Open Online Courses (MOOCS)
Sang Pil Han, Arizona State University, Main Campus, PO Box 874606, Office:BA 301D, Tempe, AZ, 85287-4606, United States, sangpil78@gmail.com, Mi Hyun Lee, Sunghoon Kim, Sungho Park

■ SB66

Mockingbird 2- Omni

QSR Student Introduction and Interaction and Best Student Poster Competition

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Nan Chen, National University of Singapore, 21 Lower Kent Ridge Road, Singapore, 119077, Singapore, isecn@nus.edu.sg

Co-Chair: Kaibo Wang, Tsinghua University, Department of Industrial Eignieering, Tsinghua University, Beijing, 100084, China, kbwang@tsinghua.edu.cn

1 - Student Introduction And Interaction And Best Student Poster Competition
Nan Chen, National University of Singapore, isecn@nus.edu.sg

■ SB67

Mockingbird 3- Omni

Dynamic Data Driven Application Systems

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Chiwoo Park, chiwoo.park@eng.fsu.edu

Co-Chair: Shiyu Zhou, shiyuzhou@wisc.edu

1 - Structural Damage Growth Prediction Via Integration Of Finite Element Method And Bayesian Estimation Approaches
Yuhang Liu, Graduate Student Research Assistant, University of Wisconsin–Madison, 1513 University Ave., Madison, WI, United States, liu427@wisc.edu, Shiyu Zhou

2 - Dynamic Data Driven Visual Surveillance Via Cooperative Unmanned Aerial/ground Vehicles
Sara Minaeian, University of Arizona, Systems and Industrial Engineering, Tucson, AZ, 85721, United States, minaeian@email.arizona.edu, Jian Liu, Young-Jun Son

3 - Efficient Multi-fidelity Decision Making For Dynamic Data Driven Application Systems
Jie Xu, George Mason University, jxu13@gmu.edu
Chun-Hung Chen, Edward Huang

4 - Dynamic Data Driven Modeling Of Nanoparticle Self-assembly Processes
Xin Li, Florida State University, 2525 Pottsdamer St, Building A, Suite A231, Tallahassee, FL, 32310, United States, xl12d@my.fsu.edu, Chiwoo Park, Yu Ding, Tao Liu

■ SB68

Mockingbird 4- Omni

Advanced Maintenance Modeling

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Yisha Xiang, Lamar University, Beaumont, TX, United States, yxiang@lamar.edu

Co-Chair: David W Coit, Rutgers University, Piscataway, NJ, United States, coit@rci.rutgers.edu

1 - Reordering Of Spare Parts Experiencing Two Phase Onshelf Deterioration
Haitao Liao, University of Arkansas, liao@uark.edu

2 - A Model Of System Limiting Availability Under Imperfect Maintenance
Suzan Alaswad, Zayed University, suzan.alaswad@zu.ac.ae
Charles Richard Cassady, Edward A Pohl

3 - Predictive Maintenance For A Multi-unit System
Yisha Xiang, Lamar University, yxiang@lamar.edu
Zhicheng Zhu, David W Coit

4 - Reliability Of System With Clusters Of Dependent Degrading Components
Sanling Song, Rutgers University, Busch Campus, Core Building Room 201, Piscataway, NJ, 08854, United States, sanling@scarletmail.rutgers.edu, David W Coit, Qianmei Feng, Yisha Xiang

■ SB69

Old Hickory- Omni

Panel Discussion: Internet of Things (IoT) Data Analytics

Sponsored: CPMS, The Practice Section

Sponsored Session

Moderator: Robin Lougee, IBM Research, IBM TJ Watson Research Center, 1101 Kitchawan Road, Yorktown Heights, NY, 10598, United States, rlougee@us.ibm.com

1 - Panel Discussion: Internet Of Things (IOT) Data Analytics
Robin Lougee, IBM Research, IBM TJ Watson Research Center, 1101 Kitchawan Road, Yorktown Heights, NY, 10598, United States, rlougee@us.ibm.com

2 - Panelist
Doug Meiser, The Kroger Co., 11450 Grooms Road, Cincinnati, OH, 45242, United States, doug.meiser@kroger.com

3 - Panelist
Srinivas Bollapragrada, GE Global Research Center, 1 Research Circle, K1-5a50a, Niskayuna, NY, 12309, United States, bollapragada@research.ge.com

4 - Panelist
Ihsan Sehgal, IBM, 3039 E Cornwallis Road, Research Triangle Park, NY, 27709, United States, rlougee@us.ibm.com

5 - Panelist
Joseph Byrum, Syngenta, 913 31st Street, West Des Moines, IA, 50265, United States, joseph.byrum@syngenta.com

■ SB70

Acoustic- Omni

Transportation, Freight II

Contributed Session

Chair: Samaneh Shiri, Research Assistant, University of South Carolina, 101 pickens st. APt. G2, Columbia, SC, 29205, United States, shiri@email.sc.edu

1 - Commodity-based Econometric Empty Trip Models
Carlos Alberto Gonzalez-Calderon, Research Associate, Rensselaer Polytechnic Institute, 4 25TH ST, APT 5, Troy, NY, 12180, United States, gonzac8@rpi.edu, Jose Holguin-Veras, Ivan Dario Sanchez-Diaz, Ivan Sarmiento, Johanna Amaya

1 - On The Unique Features Of On-demand Peer-to-Peer Logistics Systems
Jennifer A Pazour, Assistant Professor, Rensselaer Polytechnic Institute, 110 8th street, CII 5217, Troy, NY, 12180, United States, pazouj@rpi.edu

2 - The Impact Of U. S. Chassis Supply Models On Drayage Productivity
Samaneh Shiri, Research Assistant, University of South Carolina, 101 pickens st. APt. G2, Columbia, SC, 29205, United States, shiri@email.sc.edu, Nathan Huynh

■ SB71

Electric- Omni

Transportation, Public II

Contributed Session

1 - The Simultaneous Vehicle Scheduling And Passenger Service Problem With Flexible Dwell Times
Allan Larsen, Associate Professor, Technical University of Denmark, DTU, Building 115 Room 003, Lyngby, DK-2800, Denmark, alar@dtu.dk, Joao F Fonseca, Evelien van der Hurk, Roberto Roberti, Stefan Røpke

2 - A Static Repositioning Problem With Two Commodities For Bike-sharing Systems
Tiantian Zhu, Nanyang Technological University, 50 Nanyang Avenue, Singapore, 639798, Singapore, zhut0003@e.ntu.edu.sg Xiaofeng Nie

3 - Impact Of Carpool Lane Availability And Traffic Conditions On Peer-to-peer Ridesharing Demand
Sara Masoud, University of Arizona, 1300 E Fort Lowell Road, # A214, Tucson, AZ, 85719, United States, saramasoud@email.arizona.edu, Neda Masoud, Young-Jun Son

■ SB72

Bass- Omni

Supply Chain Mgt II

Contributed Session

Chair: Mojtaba Mahdavi, PhD Student, University of Auckland, 12 Grafton Road, Auckland, New Zealand, m.mahdavi@auckland.ac.nz

1 - Optimal Procurement Design For A National Brand Supplier In The Presence Of Store Brand Competition
Xiang Fang, Associate Professor, University of Wisconsin-Milwaukee, 3202 North Maryland Avenue, Milwaukee, WI, 53211, United States, fangx@uwm.edu, Xinyan Cao

2 - Optimizing Array Of Shipping Cartons For Ecom DCS
Manjeet Singh, Research Manager, DHL Supply Chain, 570 Polaris Parkway, Westerville, OH, 43082, United States, manjeet.singhin@dhl.com

3 - How To Design Effective Supply Chain Strategies Based On The Product And Demand Characteristics
Mojtaba Mahdavi, PhD Student, University of Auckland, 12 Grafton Road, Auckland, New Zealand, m.mahdavi@auckland.ac.nz, Tava Olsen

■ SB79

Legends G- Omni

JFIG Paper Competition II

Sponsored: Junior Faculty JFIG

Sponsored Session

Chair: Andrew Schaefer, Rice University, 6100 Main Street - MS 134, Houston, TX, 77005, United States, andrew.schaefer@rice.edu

1 - JFIG Paper Competition II
Andrew Schaefer, Rice University, 6100 Main Street - MS 134, Houston, TX, 77005, United States, andrew.schaefer@rice.edu

■ SB86

Gibson Board Room-Omni

Manufacturing II

Contributed Session

Chair: Gourav Dwivedi, Doctoral Student, Indian Institute of Management, Indian Institute of Management, IIM Road, off Sitapur Road, Lucknow, 226013, India, fpm14013@iiml.ac.in

1 - A Lagrangian Relaxation Approach For A Multiproduct Stochastic Production Planning Problem
Reha Uzsoy, North Carolina State University, Dept. of Industrial & Systems Engg, 300 Daniels Hall Camps Box 7906, Raleigh, NC, 27695-7906, United States, ruzsoy@ncsu.edu, Erinc Albey, Karl Kempf

2 - Order Scheduling For A Class Of Electronic Ceramic Manufacturers In Make To Order Environments
Zhongshun Shi, Peking University, Haidian Chengfu Road 298, Founder Building Room 512, Beijing, 100871, China, zhongshun@pku.edu.cn, Hongqiang Gao, Leyuan Shi

3 - A Lagrangian Approach For Coordinating Capacity Negotiations In A Semiconductor Firm
Reha Uzsoy, North Carolina State University, Dept. of Industrial & Systems Engg, 300 Daniels Hall Camps Box 7906, Raleigh, NC, 27695-7906, United States, ruzsoy@ncsu.edu, Ankit Bansal, Karl Kempf

4 - Modeling And Solution For Supply Chain Scheduling In Cold Rolling
Shengnan Zhao, PhD Candidate, Northeastern University, Shenyang, China, zhaoshengnan_neu@163.com, Lixin Tang, Qingxin Guo

5 - Analysis Of The Barriers To Implement Additive Manufacturing Technology In The Indian Automotive Sector: A Fuzzy-ISM Approach
Gourav Dwivedi, Doctoral Student, Indian Institute of Management, Indian Institute of Management, IIM Road, Off Sitapur Road, Lucknow, 226013, India, fpm14013@iiml.ac.in, Rajiv K Srivastava, Samir K Srivastava

■ SB94

5th Avenue Lobby- MCC

Palisade Corporation BayesianTechnology Tutorial

1 - Palisade: Introduction To Risk And Decision Analysis Using @RISK And The Decision Tools Suite
José Raúl Castro, Palisade Corporation, Ithaca, NY, raul.castro.gc@gmail.com

2 - Bayesian Networks & BayesiaLab: Artificial Intelligence for Research, Analytics, and Reasoning
Stefan Conrady, BAYESIA USA, Franklin, TN, stefan.conrady@bayesia.us

Sunday, 1:30PM - 3:00PM

■ SC01

101A-MCC

Supervised and Unsupervised Methods

Sponsored: Data Mining

Sponsored Session

Chair: Wenjun Zhou, University of Tennessee, 916 Volunteer Blvd, 255 Stokely Management Center, Knoxville, TN, 37996-0525, United States, wzhou7@gmail.com

1 - Group-wise Sufficient Dimension Reduction: With Applications In Forecasting The Equity Risk Premium
Haileab Tesfe Hilafu, University of Tennessee, hhilafu@utk.edu

2 - Sufficient Dimension Reduction For Treatment Effect Estimation
Craig Anthony Rolling, Saint Louis University College for Public Health and Social Justice, 1 North Grand Boulevard, Saint Louis, MO, 63103, United States, rollingca@slu.edu, Wenbo Wu

3 - Load Forecasting Using Support Vector Machine With Optimized Parameters
Olufemi A. Omitaomu, Oak Ridge National Laboratory, omitaomuoa@ornl.gov

4 - Catch Me If You Can: Detecting Pickpocket Suspects From Large-scale Transit Records
Chuanren Liu, Drexel University, chuanren.liu@drexel.edu

■ SC02

101B-MCC

Quality and Statistical Decision Making in Health Care Applications

Sponsored: Data Mining

Sponsored Session

Chair: Cao Xiao, University of Washington, 3900 Northeast Stevens Way, MEB, Seattle, WA, 98195, United States, xiaoc@uw.edu

Co-Chair: Shuai Huang, University of Washington, Seattle, WA, United States, shuaih@uw.edu

1 - Modeling And Analysis Of The Waiting Time Of Rapid Response Process In Acute Care
Nan Chen, Tsinghua University, Room 615, Shunde Building, Tsinghua University, Haidian District, Beijing, 100084, China, chenn618@gmail.com, Xiaolei Xie, Li Zheng

2 - Modeling And Prediction Of The Mental Health Conditions Of Web Users
Qingpeng Zhang, City University of Hong Kong, 1, Hong Kong, brianzqp@gmail.com

3 - Learning Semantics Behind Health Status Disclosure On Twitter
Zhijun Yin, Vanderbilt University, Nashville, TN, 37203, United States, zhijun.yin@vanderbilt.edu, Bradley Malin

4 - Hospital Operational Health Monitoring: Enabling Organizational Communication Of Key Indicators And Analytics
Diego A. Martinez, Scott R. Levin, Matthew F. Toerper, Johns Hopkins University School of Medicine, Baltimore, MD, dmart101@jhmi.edu

■ SC03

101C-MCC

Doing Good with Good OR I

Invited Session

Chair: Karen Smilowitz, Northwestern University, 2145 Sheridan Road RM D239, Evanston, IL, 60208, United States, ksmilowitz@northwestern.edu

1 - The Operational Challenges Of Sharing-Economies: An Optimal Re-balancing Mechanism For The Bike-Sharing Industry
Pantelis Loupos, Department of Operations Management, Kellogg School of Management, Northwestern University, Evanston, IL 60208, Can Urguny

2 - The Humanitarian Pickup And Distribution Problem
Ohad Eisenhandler, Department of Industrial Engineering, Tel Aviv University, Tel Aviv, Israel, ohadeis@gmail.com, Michal Tzur

3 - Data Analytics For Optimal Detection Of Metastatic Prostate Cancer
Christine Barnett, Department of Industrial & Operations Engineering, University of Michigan, 1205 Beal Avenue, Ann Arbor, MI 48109, clbarnet@umich.edu, Selin Merdan

■ SC04

101D-MCC

Gas-Power Market Integration

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Robert Brooks, President, RBAC Inc, 14930 Ventura Blvd. Ste. 210, Sherman Oaks, CA, 91403, United States, rebrooks@rbac.com

1 - Analysis Of Gas / Electric Integration And Coordination In The Eastern Interconnection Of The United States And Canada
Sara Wilmer, Levitan & Associates, Inc., sw@levitan.com

2 - Gas & Power Markets: Forecasting Prices In An Evolving Energy Landscape
Connie S. Trecazzi, Tennessee Valley Authority, cstrecazzi@tva.gov

3 - The Clean Power Plan: The Art And Science Of Quantifying Its Impacts Using Integrated Gas-power Modeling
Rahul Dhal, Developer, EPIS, LLC, 13535 72nd Ave., Ste. 165, Tigard, OR, 97223, United States, rahuldhal@epis.com

4 - Integrated Natural Gas And Electricity Modeling With RBAC GPCM And GE Maps
Leah Kaffine, Senior Engineer, GE Energy Consulting Group, Schenectady, NY, United States, Leah.Kaffine@ge.com

■ SC05

101E-MCC

Power Transmission Planning under Uncertainty

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Rodrigo Moreno, University of Chile, Av. Tupper 2007, Santiago, 8370451, Chile, rmorenovieyra@ing.uchile.cl

1 - A Comparison Of Stochastic And Adaptation Programming Methods For Electric Infrastructure Planning
Patrick Maloney, Iowa State University, Ames, IA, United States, patrickm@iastate.edu, Ali Jahanbani-Ardakani, James McCalley

2 - Value Of Model Sophistication On Transmission Expansion Planning
Qingyu Xu, Johns Hopkins University, Baltimore, MD, 21218, United States, qxu25@jhu.edu, Saamrat Kasina, Benjamin Field Hobbs

3 - A Five-level Milp Model For Flexible Transmission Network Planning Under Uncertainty: A Min-max Regret Approach
Alexandre Moreira, Imperial College London, a.moreira14@imperial.ac.uk
Goran Strbac, Rodrigo Moreno, Alexandre Street, Ioannis Konstantelos

4 - Uncertainty In Strategic Network Investment: Stochastic vs. Robust Min-max Approaches
Rodrigo Moreno, University of Chile, Santiago, Chile, rmorenovieyra@ing.uchile.cl, Goran Strbac

■ SC06

102A-MCC

INFORMS 2016 Data Mining Best Student Paper Awards

Sponsored: Data Mining

Sponsored Session

Chair: Mustafa Gokce Baydogan, Bogazici University, Istanbul, Turkey, baydoganmustafa@gmail.com

■ SC07

102B-MCC

Joint Session DM/AI: Data Mining for Decision Making

Sponsored: Data Mining

Sponsored Session

Chair: Iljoo Kim, Saint Joseph's University, Philadelphia, PA, United States, ikim@sju.edu

1 - Studying Agenda Setting Influence Of Online Newspaper Comments
Iljoo Kim, Saint Joseph's University, ikim@sju.edu

2 - Crowdiq: Aggregating Crowd Opinions For Stock Price Predictions
Qianzhou Du, Virginia Tech, 100 Otey Street, Room 301, Blacksburg, VA, 24061, United States, qiand12@vt.edu
Hong Hong, Alan Wang, Weiguo Fan

3 - Data Mining For Result Prediction In Sports
Kyuhan Lee, Seoul National University, Seoul, Korea, Republic of, kyuhanlee0119@gmail.com
Jinsoo Park, Buomsoo Kim

4 - Predicting Users' Continuous Participation In Online Health Virtual Community: Demographic And Content Cues
Yanyan Shang, Dakota State University, Madison, SD, United States, yshang@pluto.dsu.edu, Jun Liu, Iljoo Kim

■ SC08

103A-MCC

Undergraduate OR Prize - II

Invited: Undergraduate Operations Research Prize

Invited Session

Chair: Pavithra Harsha, IBM Research, 1101 Kitchawan Road, Room 34-225, Yorktown Heights, NY, 10598, United States, pharsha@us.ibm.com

1 - Hot Sales Logistics Optimization For ET
Ba ak Erman, Bilkent University, Ankara, Turkey, basakerman@gmail.com
Zeynep Yaprak Be ik, Deniz Berfin Karakoç, Umut Müdüro Lu, Yekta Jehat Mizrakli, Egehan Yanik

2 - Regularized Linear Regression via Robust Optimization Lens
Hari Bandi, Massachusetts Institute of Technology, Cambridge, MA, United States, hbandi@mit.edu, Garud Iyender, Vineet Goyal

3 - On Comprehensive Mass Spectrometry Data Analysis For Quality Assessment Of Biological Samples
Sameer Manchanda, Purdue University, West Lafayette, IL, United States, Mikaela Meyer, Nan Kong, Qianqian Li, Yan Li

4 - Allocating Countermeasures To Defend Water Distribution Systems Against Terrorist Attack
Jacob Monroe, North Carolina State University, Raleigh, NC, United States, jgmonroe@ncsu.edu
Elizabeth Ramsey, Emily Zechman Berglund

■ SC09

103B-MCC

Energy and Environmental Policy

Sponsored: Energy, Natural Res & the Environment I Environment & Sustainability

Sponsored Session

Chair: Yihsu Chen, University of California Santa Cruz, 1156 High Street, M/S SOE3, Santa Cruz, CA, 95064, United States, yihsuchen@ucsc.edu

1 - The Cost Of Reaching Mexicos Climate Change Goals
Rodrigo Mercado Fernandez, UMass, Amherst, MA, rodmerfdez@gmail.com

2 - On The Inefficiencies Of The US Federal Clean Power Plan
Duan Zhang, University of California Santa Cruz, Santa Cruz, CA, United States, dzhang33@ucsc.edu, Yihsu Chen, Makoto Tanaka

3 - Feed-in Tariffs Vs. Renewable Portfolio Standards: The Effect Of Market Power
Mari Ito, Tokyo University of Science, Noda, Japan, mariito@rs.tus.ac.jp, Ryuta Takashima, Makoto Tanaka, Yihsu Chen

4 - Tradable Performance-based Co2 Emissions Standards: Walking On Thin Ice?
Yihsu Chen, University of California Santa Cruz, yihsuchen@ucsc.edu, Afzal Siddiqui, Makoto Tanaka

■ SC10

103C-MCC

Advances in Energy Systems Modeling

Sponsored: Energy, Natural Res & the Environment, Energy II Other

Sponsored Session

Chair: Rudolf Gerardus Egging, Norwegian University of Science & Technology, Trondheim, Trondheim, 00000, Norway, ruud.egging@iot.ntnu.no

1 - Plug And Abandonment Of Offshore Oil And Gas Fields.
Steffen J. Bakker, Norwegian University of Science and Technology, steffen.bakker@iot.ntnu.no

2 - Trading Off Demand Side Flexibility Vs. Supply Side Flexibility And Storage In The Electricity System
Hector Maranon-Ledesma, Norwegian University of Science and Technology, hector.maranon-ledesma@iot.ntnu.no

3 - The Effect Of Drivers Elasticity On The Optimal Pricing And Management Of Electric Vehicles Charging
Chiara Bordin, Norwegian University of Science and Technology, Trondheim, Norway, chiara.bordin@iot.ntnu.no, Stig Ødegaard Ottesen, Asgeir Tomasgard, Siri Bruskeland Ager-Hanssen, Siri Olimb Myhre

4 - Risk Aversion In Imperfect Natural Gas Markets.
Rudolf Gerardus Egging, Norwegian University of Science & Technology, ruud.egging@iot.ntnu.no

■ SC11

104A-MCC

Dense Clusters in Network Optimization

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Vladimir Stozhkov, University of Florida, 2330 SW Williston Rd, Apt 2826, Gainesville, FL, 32608, United States, vstozhkov@ufl.edu

1 - Relative Clique Relaxations In Complex Networks
Vladimir Boginski, University of Central Florida, Vladimir.Boginski@ucf.edu

2 - Robust Network Clusters With Small-world Property
Jongeun Kim, University of Florida, Gainesville, FL, United States, kje0510@ufl.edu, Alexander Veremyev, Vladimir Boginski, Oleg A Prokopyev

3 - Detecting Essential Proteins Using A Novel Star Centrality Metric
Mustafa Can Camur, North Dakota State University, Fargo, ND, United States, mcancamur@gmail.com

4 - Estimating The Maximum IUC Using SDP Relaxations
Eugene Lykhovyd, Texas A&M University, lykhovyd@tamu.edu, Sergiy Butenko

■ SC12

104B-MCC

Convex Relaxations for Nonconvex Polynomial Optimization

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Daniel Bienstock, Columbia University, 116th and Broadway, New York, NY, 10027, United States, dano@columbia.edu

1 - LP And SOCP-based Algebraic Relaxations For Polynomial Optimization
Amir Ali Ahmadi, Princeton University, a_a_a@princeton.edu

2 - Online First-order Framework For Robust Convex Optimization
Fatma Kilinc-Karzan, Carnegie Mellon University, fkilinc@andrew.cmu.edu, Nam Ho-Nguyen

3 - New And Old Results On Polynomial Optimization
Daniel Bienstock, Columbia University, dano@columbia.edu

■ SC13

104C-MCC"

Advances in Mixed Integer Polynomial Optimization

Sponsored: Optimization, Global Optimization

Sponsored Session

Chair: Akshay Gupte, Clemson University, O-321 Martin Hall, Clemson University, Clemson, SC, 29634, United States, agupte@clemson.edu

1 - Exploiting Permutation Invariance To Construct Tight Relaxations
Mohit Tawarmalani, Purdue University, West Lafayette, IN, United States, mtawarma@purdue.edu, Jinhak Kim, Jean-Philippe P. Richard

2 - Intersection Cuts And S-free Sets For Polynomial Optimization
Chen Chen, Columbia University, New York, NY, United States, chen.chen@columbia.edu, Daniel Bienstock, Gonzalo Munoz

3 - On The Strength Of Linear Approximations For Multilinear Monomials
Yibo Xu, Clemson University, Clemson, SC, United States, yibox@clemson.edu, Warren P Adams, Akshay Gupte

4 - Iterative LP And SOCP-based Approximations To Semidefinite Programs
Georgina Hall, Princeton University, Princeton, NJ, United States, gh4@princeton.edu, Amir Ali Ahmadi

■ SC14

104D-MCC

Syngenta Crop Challenge in Analytics

Invited: Agricultural Analytics

Invited Session

Chair: Durai Sundaramoorthi, Washington University in Saint Louis, Campus Box 1156, One Brookings Drive, Saint Louis, MO, 63130-4899, United States, dsundaramoorthi@gmail.com

1 - Hierarchical Modeling Of Soybean Variety Yield And Decision Making For Future Planting Plan
Huaiyang Zhong, Stanford University, hzhong34@stanford.edu, Xiaocheng Li, David J Lovell

2 - Balancing Weather Risk And Crop Yield For Soybean Variety Selection
Ling Tong, University of Iowa, Iowa City, IA, United States, ling-tong@uiowa.edu, Bhupesh Shetty, Samuel Burer

3 - Decision Assist Tool For Seed Variety To Provide Best Yield In Known Soil And Uncertain Future Weather Conditions
Mehul Bansal, Robert Bosch Engineering and Business Solutions, Bengaluru, Karnataka, India, Mehul.Bansal@in.bosch.com Nataraj Vusirikala

■ SC15

104E-MCC

Optimization and Learning in Biomedical Applications

Invited: Modeling and Methodologies in Big Data

Invited Session

Chair: Mengdi Wang, Princeton University, NY, United States, mengdiw@princeton.edu

1 - Latent Graphical Models For Mixed Data
Yang Ning, Princeton University, Princeton, NJ, United States, yning@exchange.Princeton.EDU, Jianqing Fan, Han Liu, Hui Zou

2 - Hierarchical Knowledge-gradient With Stochastic Binary Feedbacks With An Application In Personalized Health Care
Yingfei Wang, Princeton University, Princeton, NJ, United States, yingfei@cs.princeton.edu, Warren B. Powell

3 - Approximate Newton-type Methods With Cubic Regularization
Saeed Ghadimi, Princeton University, Princeton, NJ, United States, sghadimi@princeton.edu, Tong Zhang, Han Liu

■ SC16

105A-MCC

Algorithms for Large-Scale Stochastic Programs

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Jikai Zou, Georgia Tech, 225 North Ave, Atlanta, GA, 30332, United States, jikai.zou@gatech.edu

1 - New Linear Algebra Strategies For Stochastic Programming
Nai-Yuan Chiang, United Technologies Research Center, 611 Silver Ln, East Hartford, CT, 06118, United States, chiangn@utrc.utc.com, Yankai Cao, Victor Zavala

2 - Optimization Driven Scenario Grouping
Kevin C Ryan, Georgia Institute of Technology, Atlanta, GA, United States, kryan31@gatech.edu, Shabbir Ahmed, Santanu Subhas Dey, Deepak Rajan

3 - MIDAS: A Mixed Integer Dynamic Approximation Scheme
Andy Philpott, University of Auckland, Auckland, New Zealand, a.philpott@auckland.ac.nz, Faisal Wahid, Frederic Bonnans

4 - Nested Decomposition Of Multistage Stochastic Integer Programs With Binary State Variables
Jikai Zou, Georgia Institute of Technology, Atlanta, GA, United States, jikai.zou@gatech.edu, Shabbir Ahmed, Andy Sun

■ SC17

105B-MCC

Optimizing Chance-Constrained Programming Variants

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Yiling Zhang, University of Michigan, Fleming Administration Building, Ann Arbor, MI, 48109, United States, zyiling@umich.edu

1 - Tight Formulations For Value-at-Risk Minimization Problems
Konstantin Pavlikov, University of Florida, Gainesville, FL, 32611, United States, kpavlikov@ufl.edu, Alexander Veremyev, Eduardo Pasiliao

2 - An Integer L-shaped Approach To A Stochastic Program With Endogenous Uncertainty And Chance-constrained Recourse
Gabriel Lopez Zenarosa, Assistant Professor, University of North Carolina at Charlotte, 9201 University City Blvd., Cameron Hall 242, Charlotte, NC, 28223, United States, gzenaros@uncc.edu Oleg A. Prokopyev, Andrew J. Schaefer

3 - Solving 0-1 Semidefinite Programs For Distributionally Robust Allocation Of Surgery Blocks
Yiling Zhang, University of Michigan, Ann Arbor, MI, United States, zyiling@umich.edu, Siqian Shen, Ayca Erdogan

■ SC18

106A-MCC

HPC in Optimization 2

Invited: High Performance Computing

Invited Session

Chair: Geoffrey Malcolm Oxberry, Lawrence Livermore National Laboratory, Livermore, CA, United States, goxberry@gmail.com

Co-Chair: Kibaek Kim, Argonne National Laboratory, 9700 Cass Ave, Lemont, IL, 60439, United States, kimk@anl.gov

1 - Updates To PIPS-SBB: Distributed-memory Structure-aware Presolve And Cut Generation
Geoffrey Malcolm Oxberry, Lawrence Livermore National Laboratory, Livermore, CA, United States, oxberry1@llnl.gov Lluis-Miquel Munguia, Cosmin G Petra, Pedro Sotorrio, Thomas Edmunds, Deepak Rajan

2 - Generating And Solving The Large Scale AC-security Constrained Optimal Power Flow Problems In Parallel
Feng Qiang, Argonne National Laboratory, Lemont, IL, 60439, United States, fqiang@anl.gov, Cosmin G Petra, Joseph A Huchette, Miles Lubin, Mihai Anitescu

3 - Paraxpress: A Massively Parallelized MIP Solver Designed To Run On The Largest Supercomputers
Yuji Shinano, Zuse Institute Berlin, Takustrasse 7, Berlin, 14195, Germany, shinano@zib.de, Timo Berthold, Stefan Heinz

■ SC19

106B-MCC

Computation and Theory in Network Optimization and Analysis

Sponsored: Computing

Sponsored Session

Chair: Cole Smith, Clemson University, Clemson University, Clemson, SC, 29634, United States, jcsmith@clemson.edu

1 - Models And Algorithms For Maximum Proportional Flow Problems With Semicontinuous Restrictions
Robert Mark Curry, Clemson University, Clemson, SC, United States, rmcurry@g.clemson.edu, Cole Smith

2 - Enumeration Algorithms For Infrastructure Resilience Analysis
W Matthew Carlyle, Naval Postgraduate School, mcarlyle@nps.edu, David Alderson

3 - Faster Algorithms For The Time-cost-tradeoff Problem And Minimum Cost K-flow Problems With A New All-min-Cuts Procedure
Dorit S. Hochbaum, University of California, Berkeley, Berkeley, CA, United States, hochbaum@ieor.berkeley.edu

■ SC20

106C-MCC

Novel Dimension Reduction Techniques for High Dimensional Data Using Information Complexity

Invited: Tutorial

Invited Session

Chair: Hamparsum Bozdogan, University of Tenneesse-Knoxville, Oper and Mgmt Sci, Knoxville, TN, 37996, United States, bozdogan@utk.edu

1 - Novel Dimension Reduction Techniques For High Dimensional Data Using Information Complexity
Hamparsum Bozdogan, University of Tennessee-Knoxville, Oper and Mgmt Sci, Knoxville, TN, 37996, United States, bozdogan@utk.edu, Esra Pamukcu

■ SC21

107A-MCC

Monitoring and Prevention of Healthcare Associated Infections

Sponsored: Health Applications

Sponsored Session

Chair: Eduardo Perez, Texas State University, 1, San Marcos, TX, 1, United States, eduardopr@txstate.edu

1 - Optimal Pooling Strategies For Nucleic Acid Testing Of Donated Blood Considering Viral Load Growth Curves And Donor Characteristics
Hadi El-Amine, Virginia Tech, Blacksburg, VA, United States, hadi@vt.edu, Hadi El-Amine, George Mason University, Fairfax, VA, 22030, United States, hadi@vt.edu, Ebru Korular Bish, Douglas R Bish

2 - Infection Control In Outpatient Clinics: The Risk- Efficiency Tradeoff
Cory Stasko, Massachusetts Institute of Technology, cstasko@mit.edu,

3 - Social Desirability Bias In Self-reported Compliance With Hand-hygiene Regulations
Reidar Hagtvedt, University of Alberta School of Business, 2-43 Business Building, Edmonton, AB, T6G 2R6, Canada, hagtvedt@ualberta.ca, Kenneth L. Schultz, Sarah Forgie

4 - Reducing Surgical-site Infections For Coronary Artery Bypass Graft Patients
Eva Lee, Georgia Tech, evakylee@isye.gatech.edu

■ SC22

107B-MCC

Joint Panel Session: ORHP/HAS/MSOM-Hlth: Challenges and Lessons Learned from Influencing National Policy Change in Organ Transplant

Invited: ORinformed Healthcare Policies

Invited Session

Moderator: Sanjay Mehrotra, Northwestern University, 2145 Sheridan, Evanston, IL, 60208, United States, mehrotra@iems.northwestern.edu

1 - Challenges And Lessons Learned From Influencing National Policy Change In Organ Transplant
Sanjay Mehrotra, Northwestern, mehrotra@northwestern.edu

Andrew J Schaefer, Rice University, andrew.schaefer@rice.edu

3 - Panelist
Sommer Gentry, US Naval Academy, gentry@usna.edu

4 - Panelist
Baris Ata, Northwestern University, a, Evanston, IL, 1, United States, baris.ata@chicagobooth.edu

5 - Panelist
Tim L. Pruett, American Society of Transplant Surgeons (ASTS), Arlington, VA, 22202, United States, tlpruett@umn.edu

6 - Panelist
Yolanda Becker, United Network of Organ Sharing (UNOS), Chicago, IL, United States, ybecker@surgery.bsd.uchicago.edu

■ SC23

108-MCC

Risk Management in Global Food Supply Chains

Sponsored: Health Applications

Sponsored Session

Chair: Retsef Levi, MIT, 100 Main Street, Building E62-562, Cambridge, MA, 02142, United States, retsef@mit.edu

1 - A Data-Driven Approach To Managing Food Safety In Global Supply Chains
Amine Anoun, Massachusetts Institute of Technology, aanoun@mit.edu

2 - Economically Motivated Adulteration In Agriculture Supply Chains
Somya Singhvi, Massachusetts Institute of Technology, Cambridge, MA, United States, ssinghvi@mit.edu, Retsef Levi, Yanchong Zheng

3 - The Role Of Farming Supply Chain Structure In Driving Economically Motivated Food Adulteration
Shujing Wang, Massachusetts Institute of Technology-ORC, shujing@mit.edu

■ SC24

109-MCC

Dynamics of Competition

Invited: Strategy Science

Invited Session

Chair: Daniel Levinthal, Wharton School, University of Pennsylvania, Philadelphia, PA, 19104, United States, dlev@wharton.upenn.edu

1 - Changes In Persistence Of Performance Over Time
Claudine Gartenberg, New York University, Stern Business School, New York, NY, 1, United States, cgartenb@stern.nyu.edu
Victor Bennett

2 - Markets For Technology And The Technological Trajectories Of Entrepreneurial Startups
Mahka Moeen, University of North Carolina, Chapel Hill, NC, 03, United States, mahka_moeen@kenan-flagler.unc.edu
Seth Carnahan

3 - The Entrepreneurial Process: Evidence From A Nationally Representative Survey
Aaron Chatterji, Duke University, Faqua School of Business, 100 Fuqua Drive, Durham, NC, 27708, United States, ronnie@duke.edu, Victor Bennett

4 - Venture Capital Investment Strategies Under Financing Constraints: Evidence From The 2008 Financial Crisis
Annamaria Conti, Georgia Institute of Technology, Atlanta, GA, 30332, United States, annamaria.conti@scheller.gatech.edu
Stuart Graham, Nishant Dass

■ SC25

110A-MCC

Latest Developments in Scheduling Research

Invited: Project Management and Scheduling

Invited Session

Chair: Zhi-Long Chen, Professor, University of Maryland, Van Munching Hall, College Park, MD, 20742, United States, zchen@rhsmith.umd.edu

1 - A Polyhedral Study Of The Physician Scheduling Problem With Equalization Constraints
Pelin Damci-Kurt, Lightning Bolt Solutions, South San Francisco, CA, United States, pelin@lightning-bolt.com, Minjiao Zhang

2 - Models For Workforce Scheduling In A Union Shop
John Mittenthal, The University of Alabama, Tuscaloosa, AL, 35487, United States, jmittent@cba.ua.edu, Minjiao Zhang

3 - An Integrated Production Scheduling And Outbound Vehicle Routing Problem
Kunpeng Li, Huazhong University of Science and Technology, likp@hust.edu.cn

4 - Integrated Production, Inventory And Distribution Problems
Zhi-Long Chen, University of Maryland, zchen@rhsmith.umd.edu
Feng Li, Lixin Tang

■ SC26

110B-MCC

Auction Design Topics

Invited: Auctions

Invited Session

Chair: Sasa Pekec, Duke University, 100 Fuqua Drive, Durham, NC, 27708-0120, United States, pekec@duke.edu

1 - Stable Matchings With Proportionality Constraints
Thanh Nguyen, Purdue University, nguye161@purdue.edu, Rakesh Vinay Vohra

2 - Budget-constrained Procurement
Alexandre Belloni, Duke University, abn5@duke.edu
Giuseppe Lopomo, Leslie Marx, Roberto Steri

3 - Robust Bidding Policies
Sasa Pekec, Duke University, pekec@duke.edu

■ SC27

201A-MCC

Panel: Emerging Themes in Innovative Operations

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Moderator: Nitin Joglekar, Boston University School of Management, 595 Comm Ave, Boston, MA, 02215, United States, joglekar@bu.edu

Co-Moderator: Stylianos Kavadias, University of Cambridge, Trumpington Street, Cambridge, CB2 1AG, United Kingdom, s.kavadias@jbs.cam.ac.uk

1 - Innovative Operations
Nitin Joglekar, Boston University School of Management, joglekar@bu.edu

2 - Panelist
Saif Benjaafar, University of Minnesota, saif@umn.edu

3 - Panelist
Raul Chao, University of Virginia, ChaoR@darden.virginia.edu

4 - Panelist
Sanjiv Erat, University of California-San Diego, serat@ucsd.edu

5 - Panelist
Karan Girotra, INSEAD, karan.girotra@insead.edu

6 - Panelist
Guillaume Roels, UCLA, groels@anderson.ucla.edu

7 - Panelist
Manuel Sosa, INSEAD, manuel.sosa@insead.edu

■ SC28

201B-MCC

Empirical Research in Operations Management

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Nathan C. Craig, Ohio State University, 630 Fisher Hall 2100 Neil Avenue, Columbus, OH, 43210, United States, craig.186@osu.edu

1 - Dynamic Optimization Of Multichannel Advertising Campaigns In An Online Advertising Supply Chain
Changseung Yoo, The University of Texas at Austin, Austin, TX, United States, csyoo@utexas.edu, Anitesh Barua, Genaro Gutierrez

2 - Variability In Labor Schedules: Effects On Store Performance And Employee Turnover
Hyun Seok Lee, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, Hyunseok_Lee@kenan-flagler.unc.edu, Saravanan Kesavan, Camelia Kuhnen

3 - Reference Points In Replacement Purchases
Mahdi Mahmoudzadeh, Georgia Institute of Technology, mahdi.mzh@scheller.gatech.edu

4 - Rewarding Service And Serving Rewards: Strategic Complications To Order Management
Somak Paul, Doctoral Student, The Ohio State University, 600 Fisher Hall, 2100 Neil Avenue, Columbus, OH, 43202, United States, Paul.865@osu.edu, Nathan C. Craig, Elliot Bendoly

■ SC29

202A-MCC

MSOM Energy and Sustainability

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Yangfang Zhou, Singapore Management University, Singapore, Singapore, helenzhou@smu.edu.sg

1 - Strategic Forward Trading And Technology
Heikki Peura, London Business School, hpeura@london.edu, Derek W Bunn

2 - Repositioning Operations In One-way Vehicle Sharing Systems
Long He, National University of Singapore, longhe@nus.edu.sg
Zhenyu Hu, Meilin Zhang

3 - Merchant Operations Of An Aluminium Smelter
Selvaprabu Nadarajah, College of Business, University of Illinois at Chicago, Chicago, IL, United States, selvan@uic.edu, Stein-Erik Fleten, Denis Mazieres, David Pisinger, Alessio Trivella

■ SC30

202B-MCC

Empirical Studies in Operations Management

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Suresh Muthulingam, The Pennsylvania State University, University Park, PA, United States, suresh@psu.edu

1 - Are Patients Patient? The Role Of Time To Appointment On Patient Flow
Diwas S KC, Emory University, diwas.kc@emory.edu

2 - Product Complexity, Network Position, And Product Innovation
Yingchao Lan, PhD Candidate, The Ohio State University, 2100 Neil Avenue, Fisher Hall 252C, Columbus, OH, 43210, United States, lan.63@osu.edu, John Gray, Aravind Chandrasekaran, Brett Massimino

3 - Managerial Attention, Reminders And The Energy Efficiency Gap
Enno Siemsen, University of Wisconsin-Madison, esiemsen@wisc.edu, Suvrat Dhanokar

4 - Does Learning From Inspections Affect Environmental Performance? - Evidence From Unconventional Oil And Gas Wells
Suresh Muthulingam, The Pennsylvania State University, State College, PA, United States, suresh@psu.edu
Vidya Mani

■ SC31

202C-MCC

Managing Finances and Risk in Supply Chains

Sponsored: Manufacturing & Service Oper Mgmt, iFORM

Sponsored Session

Chair: Panos Kouvelis, Washington University in St. Louis, One Brookings Drive, Box 1156, Saint Louis, MO, 63130, United States, kouvelis@wustl.edu

Co-Chair: Wenhui Zhao, Associate Professor, Shanghai Jiao Tong University, 1954 Huashan Road, Shanghai, 200030, China, zhaowenhui@sjtu.edu.cn

1 - Optimal Monitoring In Collateralized Lending
Dan Andrei Iancu, Stanford University, Stanford, CA, United States, daniancu@stanford.edu, Nikolaos Trichakis, Do Young Yoon

2 - Financial Pooling In A Supply Chain
Alex Song Yang, London Business School, London, United Kingdom, sayang@london.edu, Ming Hu, Qu Qian

3 - Effective Donor Fund Allocation For Health Product Procurement
Iva Petrova Rashkova, Washington University in St Louis, irashkova@wustl.edu, Jeremie Gallien

4 - Who Should Finance The Supply Chain: Impact Of Credit Ratings on Supply Chain Decisions
Wenhui Zhao, Associate Professor, Shanghai Jiao Tong University, 1954 Huashan Road, Antai College of Economics and Management, Shanghai, 200030, China, zhaowenhui@sjtu.edu.cn, Panos Kouvelis

■ SC32

203A-MCC

Scheduling III

Contributed Session

Chair: Sangoh Shim, Hanbat National University, Dept of Business Administration, Deokmyung-Dong, Daejeon, 305-719, Korea, Republic of, mizar0110@gmail.com

1 - Integrated Pricing And Production Scheduling Under Make-to-order Strategy
Guohua Wan, Professor, Shanghai Jiao Tong University, 1954 Huashan Road, Antai College of Economics and Management, Shanghai, 200030, China, ghwan@sjtu.edu.cn, Qing Yue, Zhi-Long Chen

2 - Optimal Course Scheduling For United States Air Force Academy Cadets
Christopher D. Richards, Colorado School of Mines, Golden, CO, United States, capt.soup@gmail.com

3 - Minimizing The Total Number Of Late Multi-task Jobs On Identical Machines
Hairong Zhao, Purdue University Calumet, 2200 169 Street, Hammond, IN, 46323, United States, hairong@pnw.edu
Lingxiang Li, Haibing Li

4 - An Improvement In NSGA II For Resource Constrained Project Scheduling Problem
Fikri Kucuksayacigil, Iowa State University, 610 Squaw Creek Drive, Unit 18, Ames, IA, 50010, United States, fksayaci@iastate.edu

5 - Production Scheduling Of Jobs With Fixed Processing Property On Parallel Machines
Sangoh Shim, Hanbat National University, Dept of Business Administration, Deokmyung-Dong, Daejeon, 305-719, Korea, Republic of, mizar0110@gmail.com

■ SC33

203B-MCC

Simulation and Optimization III

Contributed Session

Chair: Prasanna Kumar Ragavan, Virginia Tech, Durham Hall, Blacksburg, VA, 24061, United States, rpkumar@vt.edu

1 - Managing Escalations: Equipment Failure And Response Capacity Allocation
Marc Christiaan Jansen, PhD Candidate, Cambridge Judge Business School, Downing College, Regent Street, Cambridge, CB2 1DQ, United Kingdom, mcj32@cam.ac.uk
Nektarios Oraiopoulos, Daniel Ralph

2 - Illusion Of Control In Resource Allocation Decision Making
Howard Charles Ralph, Visiting Assistant Professor, Western Carolina University, 201 Edgemont Avenue, Liberty, SC, 29657-1110, United States, r_11l1f@hotmail.com

3 - Flexible High Density Puzzle Storage System
Ehsan Shirazi, West Virginia University, 1204, Van Voorhis Road, Unit B, Morgantown, WV, 26505, United States, ehshirazi@mix.wvu.edu

4 - The Use Of Simulation For Evaluating Forecast Models
Sanjeewa Naranpanawe, Sr Analytical Consultant, SAS Institute, 100 SAS Campus Drive, Cary, NC, 27513, United States, sanjeewa.naranpanawe@sas.com

5 - Adaptive-spline For Integer-order Simulation Optimization
Prasanna Kumar Ragavan, Virginia Tech, Durham Hall, Blacksburg, VA, 24061, United States, rpkumar@vt.edu
Raghu Pasupathy, Michael Taaffe

■ SC34

204-MCC

Joint Session HAS/MSOM-HC: Analytics in Drug Development

General Session

Chair: Elisa Frances Long, UCLA Anderson School of Management, Los Angeles, CA, United States, elisa.long@anderson.ucla.edu

1 - Continuity In Gatekeepers: Quantifying The Impact Of Care Fragmentation
Vishal Ahuja, SMU Cox School of Business, vahuja@smu.edu
Bradley R Staats,

2 - Flexible Fda Approval Thresholds: A Dynamic Programming Approach
Taylor Corcoran, University of California-Los Angeles, taylor.corcoran.1@anderson.ucla.edu, Elisa Frances Long, Fernanda Bravo

3 - Is The FDA Too Conservative Or Too Aggressive?: A Bayesian Decision Analysis Of Clinical Trial Design
Andrew W Lo, Charles E. and Susan T. Harris Professor, MIT, 100 Main Street, E62-618, Cambridge, MA, 02142, United States, alo-admin@mit.edu, Andrew W Lo, Charles E. and Susan T. Harris Professor, MIT, 32 Vassar Street, Cambridge, MA, 02139, United States, alo-admin@mit.edu, Leah Isakov, Vahid Montazerhodjat

4 - A Comparison Between The Robust Risk-aware And Risk-seeking Managers In R&D Portfolio Management
Aurelie Thiele, Associate Professor, Southern Methodist University, Dallas, TX, United States, aurelie@alum.mit.edu
Shuyi Wang

■ SC35

205A-MCC

Frontiers of Supply Chain Research

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Karen Zheng, MIT Sloan School of Management, Cambridge, MA, 02142, yanchong@mit.edu

1 - Dual Co-product Technologies: Implications For Process Development And Adoption
Brian Tomlin, Tuck School of Business, brian.tomlin@tuck.dartmouth.edu, Ying-Ju Chen, Yimin Wang

2 - Impact Of Grocery Store Density And Market Structure On Food Waste
Elena Belavina, University of Chicago Booth School of Business, elena.belavina@chicagobooth.edu

3 - Self-policing In A Supply Chain Under Threat Of Public Disclosure
Sang-Hyun Kim, Associate Professor, Yale University, New Haven, CT, United States, sang.kim@yale.edu, Saed Alizamir

4 - Increasing Retail Sales Via Improved Store Staffing: An Empirical Study With Implemented Results
Santiago Gallino, Dartmouth College, santiago.gallino@tuck.dartmouth.edu, Marshall L Fisher, Serguei Netessine

■ SC36

205B-MCC

Information and Risk in Supply Chain Networks

General Session

Chair: Kostas Bimpikis, Stanford Graduate School of Business, 650 Knight Way, Stanford, CA, 94305, United States, kostasb@stanford.edu

1 - Inventory Management With Censored Demand Data: The Adversarial Case
Michail Markakis, Universitat Pompeu Fabra, mihalis.markakis@upf.edu

2 - Optimizing Local Content Requirements Under Technology Gaps
Shiliang Cui, Georgetown University, shiliang.cui@georgetown.edu, Lauren Xiaoyuan Lu

3 - Take-rate Crowdsourcing Contracts
Yun Zhou, University of Toronto, Toronto, ON, Canada, yzhou.zj@gmail.com, Ming Hu

■ SC37

205C-MCC

Revenue Management, Assortments and Choice Models

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Ozge Sahin, Johns Hopkins University, Brooklyn, NY, United States, ozge.sahin@jhu.edu

1 - Consumer Choice Under Rational Inattention And Implications For Assortment Planning
Tamer Boyaci, ESMT Berlin, Berlin, 10178, Germany, Tamer.Boyaci@esmt.org, Frank Huettner, Yalcin Akcay

2 - Assortment Optimization For Choosy Customers
Jake Feldman, Washington University in St. Louis, jbfeldman@wustl.edu

3 - Learning Consumer Tastes From Dynamic Assortments: A Nonparametric Bayesian Model
Canan Ulu, Georgetown University, cu50@georgetown.edu
Dorothee Honhon

4 - The Price Of Flexibility
Hoda Bidkhori, Swanson School of Engineering, University of Pittsburgh, Pittsburgh, PA, United States, bidkhori@pitt.edu
Dimitris Bertsimas, Albert Dunning

■ SC38

206A-MCC

Collaborative New Product Development

Sponsored: New Product Development

Sponsored Session

Chair: Niyazi Taneri, Singapore University of Technology and Design, Singapore, Singapore, na, Singapore, niyazitaneri@sutd.edu.sg

1 - The Role Of Operations In Alliances For New Product Development
Niyazi Taneri, Singapore University of Technology and Design, niyazitaneri@sutd.edu.sg, Arnoud De Meyer

2 - Optimal Sequential Investments In Product Development With Exogenous Technologies And Learning
Shantanu Bhattacharya, Singapore Management University, shantanub@smu.edu.sg, Stylianos Kavadias, Sameer Hasija

3 - Business Model For Technology-intensive Supply Chains
Junghee Lee, University of California, San Diego, junghee.lee@rady.ucsd.edu
Krishnan Vish, Hyoduk Shin

■ SC39

207A-MCC

Market Microstructure and Optimal Trading

Sponsored: Applied Probability

Sponsored Session

Chair: Costis Maglaras, Columbia University, New York, NY, United States, c.maglaras@columbia.edu

Co-Chair: Ciamac Cyrus Moallemi, Columbia University, New York, NY, United States, ciamac@gsb.columbia.edu

1 - Trading The Close — Market Impact And Optimal Execution
Costis Maglaras, Columbia University, c.maglaras@columbia.edu

2 - Portfolio Liquidity Estimation And Optimal Execution
Kai Yuan, Columbia University, kyuan17@gsb.columbia.edu

3 - Optimal Execution In Hong Kong Given A Market-on-close Benchmark
Christoph Frei, University of Alberta, Edmonton, AB, Canada, cfrei@ualberta.ca, Nicholas Westray

4 - Mean Field Games Of Singular Control With Applications
Joon Seok Lee, UC Berkeley, 2938 McClure Street, # A207B, Oakland, CA, 94609, United States, ljshope@berkeley.edu
Xin Guo

■ SC40

207B-MCC

Computational Issues in Productivity and Efficiency Measurement

Invited: Data Envelopment Analysis

Invited Session

Chair: Jose Dula, Virginia Commonwealth University, Snead Hall, 301 W. Main Street, Richmond, VA, 23284, United States, jdula@vcu.edu

1 - Validating DEA As A Rating Tool: The Case Of CMS's Nursing Home Compare.
Jose Dula, Virginia Commonwealth University, jdula@vcu.edu
Marie-Laure Bougnol

2 - Dea Computation For The Big Data – A Proactive Approach
Wen-Chih Chen, National Chiao Tung University, Hsinchu, Taiwan, wenchih@faculty.nctu.edu.tw, Yueh-Shan Chen

3 - Segmented Concave Least Squares: An Automatic Classification Method With An Application To The Analysis Of The Room Rates Of Hotels In Finland
Abolfazl Keshvari, Aalto University School of Business, Helsinki, Finland, abolfazl.keshvari@aalto.fi

■ SC41

207C-MCC

Finance Section Student Paper Competition

Sponsored: Financial Services

Sponsored Session

Chair: Rafael Mendoza, McCombs School of Business, 1, Austin, TX, 1, United States, rafael.mendoza-arriaga@mccombs.utexas.edu

Co-Chair: Tim Siu-Tang Leung, Columbia University, New York, NY, United States, tl2497@columbia.edu

1 - Robust Versus Sparse Portfolio Selection: Insights And Alternatives
Yufei Yang, Singapore University of Technology and Design, Singapore, Singapore, eeyufei@gmail.com
Selin Damla Ahipasaoglu, Jingnan Chen

2 - Portfolio Liquidity Estimation And Optimal Execution
Kai Yuan, Columbia Business School, Broadway, New York, NY, 10027, United States, kyuan17@gsb.columbia.edu

3 - Spectral Portfolio Theory
Shomesh E Chaudhuri, Massachusetts Institute of Technology, Cambridge, MA, 0, United States, shomesh@mit.edu
Andrew W Lo

4 - Long Term Risk: A Martingale Approach
Likuan Qin, Northwestern University, Evanston, IL, 60208, United States, likuan.qin@gmail.com

■ SC42

207D-MCC

Stochastic Systems in Finance

Sponsored: Financial Services

Sponsored Session

Chair: Alexandra Chronopoulou, Assistant Professor, University of Illinois, Urbana-Champaign, 117 Transportation bldg. MC-238, 104 S. Mathews Ave., Urbana, IL, 61801, United States, achronop@illinois.edu

1 - Statistical Inference For Long Memory Stochastic Volatility Models
Alexandra Chronopoulou, University of Illinois, Urbana-Champaign, achronop@illinois.edu

2 - Optimal Randomized Unbiased Monte Carlo Simulation Of Discounted Costs
Zhenyu Cui, Stevens Institute of Technology, zcui6@stevens.edu

3 - Monte Carlo Estimation Of Sensitivities From Analytic Characteristic Functions
Runqi Hu, University of Illinois, Urbana-Champaign, runqihu2@illinois.edu, Liming Feng

4 - Sensitivity Of The Eisenberg-Noe Network Model To The Relative Liabilities
Mackenzie Wildman, University of California, Santa Barbara, CA, United States, mackenzie.wildman@gmail.com
Zachary Feinstein, Weijie Pang, Birgit Rudloff, Eric Schaanning, Stephan Sturm

■ SC43

208A-MCC

Spatial Risk and Decision Analysis

Sponsored: Decision Analysis

Sponsored Session

Chair: Gilberto Montibeller, Loughborough University, Loughborough, United Kingdom, g.montibeller@lboro.ac.uk

1 - Spatial Risk Analysis In Emergency Management
Nikolaos Argyris, Loughborough University, Loughborough, United Kingdom, n.argyris@lboro.ac.uk, Simon French

2 - Spatial Preference Functions For Risk Analysis
Jay Simon, American University, jaysimon@american.edu, L Robin Keller

3 - Multi-criteria Spatial Risk Analysis For Resource Allocation Decisions
Gilberto Montibeller, Full Professor of Management Science, Loughborough University, Loughborough University, United Kingdom, g.montibeller@lboro.ac.uk, Valentina Ferretti

■ SC44

208B-MCC

Modeling of Uncertainty and Preference in Decision Analysis

Sponsored: Decision Analysis

Sponsored Session

Chair: Christopher Hadlock, Austin, TX, United States, cchadlock@gmail.com

Co-Chair: Robert Hammond, Chevron, Houston, TX, United States, robertkh@gmail.com

1 - Johnson Quantile-parameterized Distributions
Christopher Hadlock, The University of Texas at Austin, cchadlock@gmail.com, J. Eric Bickel

2 - The Metalog Distributions
Thomas Keelin, Keelin Reeds Partners, 770 Menlo Avenue, Suite 230, Menlo Park, CA, 94025, United States, tomk@keelinreeds.com

3 - Reexamining The Viability Of Scoring Rules
Zachary Smith, The University of Texas at Austin, zack.smith@utexas.edu, J. Eric Bickel

■ SC45

209A-MCC

Panel: Systemic Risk Issues in Counterparty Risk and Central Clearing

Invited: Risk and Compliance

Invited Session

Moderator: Agostino Capponi, Columbia University, 500 West 120th street, New York, NY, 10027, United States, ac3827@columbia.edu

1 - Panel on Systemic Risk Issues In Counterparty Risk And Central Clearing
Agostino Capponi, Columbia University, ac3827@columbia.edu

2 - Panelist
John Birge, Chicago Booth School of Business, jbirge@chicagobooth.edu

3 - Panelist
Akhtarur Siddique, Office of Comptroller of Currency, Akhtarur.Siddique@occ.treas.gov

■ SC46

209B-MCC

Dynamic Pricing with Substitution, Learning and Reference Price Effects

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Candace Arai Yano, University of California-Berkeley, IEOR Dept. and Haas School of Business, Berkeley, CA, 94720, United States, yano@ieor.berkeley.edu

1 - Optimal Use And Replenishment Of Substitutable Raw Materials In Non-Stationary Capacitated Systems With Dynamic Price
Izak Duenyas, University of Michigan-Ann Arbor, duenyas@umich.edu

2 - A Squared-coefficient-of-variation Rule For Learning And Earning
N. Bora Keskin, Duke University, Durham, NC, United States, bora.keskin@duke.edu

3 - Dynamic Pricing With Stochastic Reference Price Effects
Xin Chen, UIUC, xinchen@illinois.edu, Zhenyu Hu, Yuhan Zhang

4 - Hidden City Travel And Its Impact On Airfare: The Case With Competing Airlines
Jaelynn Oh, University of Utah, jaelynn.oh@business.utah.edu Tim Huh

■ SC47

209C-MCC

New Topics in Revenue Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Stefanus Jasin, University of Michigan, Ann Arbor, MI, United States, sjasin@umich.edu

1 - Managing Dynamic Mobile Push Advertisements At Alibaba
Van Anh Truong, Columbia IEOR, vt2196@columbia.edu

2 - Efficient Algorithms For Dynamic Pricing Problem With Reference Price Effect
Zhenyu Hu, National University of Singapore (NUS), bizhuz@nus.edu.sg

3 - Optimal Stopping And Worker Selection In Crowdsourcing: An Adaptive Sequential Probability Ratio Test Framework
Xi Chen, Stern, NYU, xchen3@stern.nyu.edu

4 - Dynamic Joint Pricing And Order Fulfillment For E-commerce Retailers
Yanzhe Lei, University of Michigan, Ann Arbor, MI, United States, leiyz@umich.edu, Stefanus Jasin, Amitabh Sinha

■ SC48

210-MCC

Social Media in Marketing and Talent Management

General Session

Chair: Fujie Jin, Indiana University, 1309 East Tenth Street, Suite 4100, Bloomington, IN, 47405, United States, jinfujie@wharton.upenn.edu

1 - Social Media Marketing In Product Harm Crisis
Shu He, University of Connecticut, shuhe@utexas.edu

2 - Influence Of Social Media On Flash Sales: An Empirical Analysis
Karthik Kannan, Georgia Tech, karthikbabu.nk@scheller.gatech.edu, Jeffrey Hu, Sridhar Narasimhan

3 - Does Reputation Management On Social Media Boost Career? Evidence From The Market For Executives
Yanzhen Chen, University of Texas at Austin, Austin, TX, United States, yanzhen@utexas.edu, Huaxia Rui, Andrew Whinston

4 - Gravity In Open Source Software Production
Xuan Ye, New York University, New York City, NY, United States, xye@stern.nyu.edu, Prasanna Tambe

■ SC49

211-MCC

Social, Political, and Economic Applications of Social Media Analysis

Invited: Social Media Analytics

Invited Session

Chair: Amanda Andrei, MITRE Corporation, 7515 Colshire Dr, Mclean, VA, 22102, United States, aandrei@mitre.org

1 - Characterizing Traffic Accident Detection Through Twitter And Open Data
Jared Mowery, MITRE Corporation, jmowery@mitre.org

2 - Assessing Patient Abuse At Nursing Homes Via Classification Of Online Reviews
Jing Jian, MITRE Corporation, jjian@mitre.org

■ SC50

212-MCC

Achieving Professional Success by Managing the Work/Life Balance

Sponsored: Women in OR, MS

Sponsored Session

Chair: Dorothee Honhon, Associate Professor, University of Texas at Dallas, 800 W. Campbell Road, Richardson, TX, 75080, United States, dorothee.honhon@utdallas.edu

1 - Achieving Professional Success By Managing The Work/life Balance
Dorothee Honhon, University of Texas at Dallas, dorothee.honhon@utdallas.edu

■ SC51

213-MCC

Analytical Research in Humanitarian Service Delivery

Sponsored: Public Sector OR

Sponsored Session

Chair: Mahyar Eftekhar, Arizon State University, Arizon State University, Tempe, AZ, 00, United States, eftekhar@asu.edu

1 - Leading Diverse Teams In Humanitarian Aid Field Offices: A Case For Intergroup Leadership
Mojtaba Salem, Kuehne Logistics University, Hamburg, Germany, Mojtaba.Salem@the-klu.org, Maria Besiou, Niels Van Quaquebeke, Louisa Meyer

2 - Policies For Fleet Operations And Procurement In Humanitarian Development Programs
Milad Keshvari Fard, ESSEC Business School, Av Bernhard Hirsch BP 50105, Cergy Pontoise Cedex, 95021, France, milad.keshvarifard@essec.edu, Felix Papier, Mahyar Eftekhar

3 - Models And Metrics To Assess Humanitarian Response Capacity
Jason Acimovic, Penn State University, acimovic@psu.edu

4 - Supply Management Strategies In Emergency Relief Operations
Mahyar Eftekhar, Arizona State University, BA 433, Main Campus, P.O. Box 874706, Tempe, AZ, 85287, United States, eftekhar@asu.edu, Jeannette Song, Scott Webster

■ SC52

214-MCC

Public Policy for Energy and the Environment

Sponsored: Public Sector OR

Sponsored Session

Chair: Zana Cranmer, University of Massachusetts - Amherst, 160 Governors Drive, Amherst, MA, 01003, United States, acranmer@umass.edu

Co-Chair: Erin Baker, University of Massachusetts - Amherst, 160 Governors Drive, Amherst, MA, 01003, United States, edbaker@ecs.umass.edu

1 - Benefit Cost And Distributional Effects Analysis For Solar PV In The United States
Parth Vaishnav, Carnegie Mellon University, Pittsburgh, PA, United States, parth.vaishnav@gmail.com, Ines Azevedo

2 - Expert Elicitation Of The Proliferation Resistance Of Using Small Modular Reactors For The Expansion Of Civilian Nuclear Systems
Jonas Siegel, University of Maryland, College Park, MD, United States, jsiegel@umd.edu, Elisabeth A Gilmore, Nancy Gallagher, Steve Fetter

3 - Power Plants Compliance With Co2 Emissions Regulations: The Effect Of Policy Mechanisms, And Technological And Fuel Price Uncertainty
Dalia Patino Echeverri, Duke University, dalia.patino@duke.edu

4 - Valuing Offshore Wind Energy
Zana Cranmer, University of Massachusetts Amherst, MA, acranmer@umass.edu, Erin Baker

■ SC53

Music Row 1- Omni

Advances in Research Exploring the Link between Learning and Innovation

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Chair: Onesun Steve Yoo, University College London, One Canada Square, London, E14 5AB, United Kingdom, o.yoo@ucl.ac.uk

1 - Design Of Resource Competitions For R&D Projects
Pascale Crama, Singapore Management University, pcrama@smu.edu.sg

2 - Staged Ideation In Crowdsourced Problem Solving
Nilam Kaushik, University College London, uceikau@ucl.ac.uk

3 - Research And Development Competition With Spillovers And Uncertain Completion Times
Wenxin Xu, University of Illinois at Urbana-Champaign, wxu9@illinois.edu
Dharma Kwon, Jovan Grahovac

4 - A Theoretical Analysis Of The Lean Startup's Agile Product Development Process
Onesun Steve Yoo, University College London, onesun.yoo@ucl.ac.uk, Tingliang Huang, Kenan Arifoglu

■ SC54

Music Row 2- Omni

Mathematical Modeling and Data Analytics in the Service Industry

Sponsored: Service Science

Sponsored Session

Chair: Mohammadsadegh Mobin, Western New England University, 1215, Wilbraham road, WNE university, Springfeild, MA, 01119, United States, mm337076@wne.edu

Co-Chair: Zhaojun Li, Western New England University, 1215, Wilbraham Road, WNE University, Springfield, MA, 01119, United States, zhaojun.li@wne.edu

1 - Analyzing The Predictive Power Of Early Warning Systems In Healthcare
Nasibeh Azadeh-Fard, Visiting Professor, Rochester Institute of Technology, Industrial and Systems Engineering Department, Rochester, NY, 14623, United States, azadehfard@gmail.com, Navid Ghaffarzadegan, Jaime Camelio

2 - Reverse Bullwhip Effect In Pricing In Retail Industry
Ziaul Haq Adnan, University of North Carolina at Charlotte, Charlotte, NC, United States, zadnan@uncc.edu
Ertunga Ozelkan

3 - A Simulation Approach To Plan DesignV&V Activities For The New Product Reliability Improvement
Mohammad Sadegh Mobin, Western New England University, 1215 Wilbraham Road, Springfield, MA, 01119, United States, mm337076@wne.edu", Zhaojun Li, Mohammad Dehghanimohammadabadi

4 - Design Of Coordinating Contracts In Volume Discount Group Purchasing
Abdollah Mohammadi, University of North Carolina - Charlotte, 532 Lex Dr., Charlotte, NC, 28262, United States, amoham17@uncc.edu, Ertunga Ozelkan

■ SC55

Music Row 3- Omni

Emerging Topics in Service Operations

Sponsored: Service Science

Sponsored Session

Chair: Mike Pinedo, NYU, NYU, NYC, NY, 10012, United States, mpinedo@stern.nyu.edu

Co-Chair: Yuqian Xu, NYU, NYU Stern School of Business, NYC, NY, 10012, United States, yxu@stern.nyu.edu

1 - Vertical Opaque Selling Under Demand Uncertainty
Rachel Chen, UC Davis, rachen@ucdavis.edu

2 - When Prospect Theory Meets Consumer Choice Models
Ruxian Wang, Johns Hopkins Carey Business School, Baltimore, MD, 21202, United States, ruxian.wang@jhu.edu

3 - Price Formation And Efficiency In Ride Sharing Services
Yi Xu, University of Maryland, yxu@rhsmith.umd.edu, Liu Ming, Tunay Tunca, Weiming Zhu

4 - When Do Financial Firms Relocate? A Stochastic View
Michael Pinedo, New York University Stern School of Business, 44 West 4th St. KMC8-152, New York, NY, United States, mpinedo@stern.nyu.edu, Yuqian Xu, Lingjiong Zhu

■ SC56

Music Row 4- Omni

Crowdsourcing and Sharing Economy

Sponsored: EBusiness

Sponsored Session

Chair: Wei Chen, University of Arizona, 1130 East Helen Street McClelland Hall 430, Tucson, AZ, 85721-0001, United States, weichen@email.arizona.edu

1 - Do Ride Sharing Services Affect Traffic Congestion? An Empirical Study Of Uber Entry
Yili Hong, Arizona State University, Tempe, AZ, United States, ykhong1@asu.edu, Ziru Li, Zhongju Zhang

2 - Room Sharing Economy And Destination Tourism
Wei Chen, University of Arizona, 3750 E Via Palomita, Apt 23103, Tucson, AZ, 85718, United States, weichen@email.arizona.edu, Lijia Xie

3 - The Role Of Syndication In Democratizing Capital Flow In Online Equity-crowdfunding
Qiang Gao, City University of New York, New York, NY, 85719, United States, qiangg@email.arizona.edu, Mingfeng Lin

4 - "Release Early, Release Often"? The Impact Of Release Frequency In Open-source Software Co-creation
Wei Chen, University of Arizona, weichen@email.arizona.edu
Vish Krishnan, Kevin Zhu

■ SC57

Music Row 5- Omni

Consumer Behavior and Pricing Optimization

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Nikolay Osadchiy, Emory University, Atlanta, GA, United States, nikolay.osadchiy@emory.edu

1 - Pricing Under Anticipation
Javad Nasiry, Hong Kong University of Science and Technology-HKUST, nasiry@ust.hk, Ioana Popescu

2 - Mental Accounting, Reference Price Adaptation, And The Pricing Of Flat-rate Contracts
Manel Baucells, University of Virginia, 100 Darden Blvd, Charlottesville, VA, 22903, United States, baucellsm@darden.virginia.edu, Woonam Hwang

3 - Tell Me What I Want: A Study Of Personalized Assortment Planning For Learning Consumers
Yulia Vorotyntseva, University of Texas at Dallas, Richardson, TX, 7508, United States, yxv120230@utdallas.edu
Dorothee Honhon, Canan Ulu

4 - Optimal Dynamic Upgrade
Xiao Zhang, PhD Candidate, The University of Texas at Dallas, 800 West Campbell Rd, Richardson, TX, 75080, United States, xiao.zhang@utdallas.edu, Metin Cakanyildirim, Ozalp Ozer

■ SC58

Music Row 6- Omni

Energy III

Contributed Session

Chair: Benjamin D. Leibowicz, Assistant Professor, University of Texas at Austin, 204 E. Dean Keeton St., Stop C2200, Austin, TX, 78712, United States, bleibowicz@gmail.com

1 - Modelling Electricity Balancing Market Prices And Premiums
Ezgi AVCI-SURUCU, Rotterdam School of Management, Erasmus University, Rotterdam, Netherlands, avcisurucu@rsm.nl, Wolfgang Ketter, Gerhard-Wilhelm Weber

2 - A Game Theoretic Approach For Load-shifting In The Smart Grid With Storage Capacity
Murat Erkoc, Associate Professor, University of Miami, 1251 Memorial Drive, Eng. Building. Room 282, Coral Gables, FL, 33146, United States, merkoc@miami.edu, Eeyad Al-Ahmadi

3 - Essential Aspects Of Power System Resource Planning In Developing Community Of Microgrid
Aida Khayatian, PhD Student, University of Houston, 4722 Calhoun Rd, E206 Engineering Bldg 2, Houston, TX, 77204, United States, akhayatian@uh.edu, Masoud Barati, Gino J Lim

4 - Technology-push, Demand-pull, And Strategic R&D Investment
Benjamin D. Leibowicz, Assistant Professor, University of Texas at Austin, 204 E. Dean Keeton St., Stop C2200, Austin, TX, 78712, United States, bleibowicz@gmail.com

■ SC59

Cumberland 1- Omni

Spatial Analysis in Transportation & Logistics

Sponsored: Transportation Science & Logistics

Sponsored Session

Chair: EunSu Lee, Assistant Professor, New Jersey City University, 160 Harborside Plaza 2, #234H, Jersey City, NJ, 07311, United States, elee3@njcu.edu

1 - Understanding The Integration Of Freight Supply Chain By Integrating Pairwise Decision Mechanism
Dapeng Zhang, Hyperloop Tech Inc., dapeng@hyperlooptech.com

2 - Spatial Optimization For Designing Public Water Supply Systems
EunSu Lee, New Jersey City University, elee3@njcu.edu

■ SC60

Cumberland 2- Omni

Facility Layout

Sponsored: TSL, Facility Logistics

Sponsored Session

Chair: Pratik J Parikh, Wright State University, 3640 Col. Glenn Hwy, Dayton, OH, 45435, United States, pratik.parikh@wright.edu

1 - Towards Calculating Realistic Walking Paths In Warehouses: A New Approach
Sabahattin Gokhan Ozden, Graduate Research Assistant, Auburn University, Shelby Center 3333, Auburn, AL, 36849, United States, gokhan@auburn.edu, Alice E. Smith, Kevin Gue

2 - Retail Layouts For Maximal Exposure
Pratik J. Parikh, Wright State University, 3640 Colonel Glenn Highway, 207 Russ Engineering Center, Dayton, OH, 45435-0001, United States, pratik.parikh@wright.edu, Corinne H. Mowrey

3 - A Multi-objective Intermodal Network Design Considering The Effect Of Carbon Tax
Sunderesh S Heragu, Oklahoma State University, sunderesh.heragu@okstate.edu, Xiaoren Duan

■ SC61

Cumberland 3- Omni

Fleet Sizing Models

Sponsored: Railway Applications

Sponsored Session

Chair: Dharma Acharya, President, KOSU Services LLC, 241 Auburndale Dr., Ponte Vedra, FL, 32081, United States, acharya.dharma@gmail.com

Co-Chair: Michael Gorman, Prof., University of Dayton, Dayton, OH, 12345, United States, mgorman1@udayton.edu

1 - Fleet Sizing Model Overview
Michael Gorman, University of Dayton, mgorman1@udayton.edu

2 - Fleet Sizing Model Case - Freight Railroad Perspective
Clark Cheng, Senior Director Operations Research, Norfolk Southern Railway, 1200 Peachtree Street NE, Atlanta, GA, 30309, United States, Clark.Cheng@nscorp.com, Andy Yoon, Xin Zhang

3 - Intermodal Equipment Fleet Sizing
Bruce Patty, Veritec Solutions, bpatty@veritecsolutions.com

4 - Fleet Sizing Model: Railroad And Shipper Perspective
dharma acharya, KOSU Services LLC, acharya.dharma@gmail.com

■ SC62

Cumberland 4- Omni

Aviation Applications Section: Best Student Presentation Competition III

Sponsored: Aviation Applications

Sponsored Session

Chair: Lavanya Marla, University of Illinois, 216E Transportation Building, 104 S. Mathews Ave., Urbana, IL, 61801, United States, lavanyam@illinois.edu

■ SC63

Cumberland 5- Omni

Network Design and Maintenance in Transportation

Sponsored: TSL, Intelligent Transportation Systems (ITS)

Sponsored Session

Chair: David Rey, UNSW Australia, School of Civil and Environmental Engineering, UNSW, 2072, Australia, d.rey@unsw.edu.au

1 - Scheduling Work Zones In Networks Of Service Vehicles
Dening Peng, Arizona State University, 699 South Mill Avenue, Tempe, AZ, 85281, United States, dening.peng@asu.edu, Pitu B Mirchandani

3 - Optimal Deployment Of Autonomous Vehicle Lanes With Endogenous Market Penetration
Zhibin Chen, University of Florida, 1, Gainesville, FL, 32603, Lihui Zhang, Yafeng Yin, Fang He

4 - Road Extension Prioritization And Scheduling Problem
Mersedeh Tariverdi, University of Maryland, College Park, Washington, DC, 20009, United States, mercedeh@umd.edu, David Rey, Saeed Asadi Bagloee

5 - A Branch And Price Algorithm For The Work-zone Scheduling Problem
David Rey, University of New South Wales, School of Civil and Environmental Engineering, Sydney, Australia, d.rey@unsw.edu.au, Hillel Bar-Gera, Vinayak Dixit, S. Travis Waller

■ SC64

Cumberland 6- Omni

DAAD Special Session on Multiobjective Optimization for Improved Modeling of Complex Systems

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Stefan Ruzika, University of Koblenz-Landau, Universitätsstraße 1, Koblenz, 56070, Germany, ruzika@uni-koblenz.de

1 - Efficient Computation Of The Search Region In Multi-objective Optimization
Kerstin Daechert, Chair of Management Science and Energy Economics, University of Duisburg-Essen, Germany, kerstin.daechert@uni-due.de

2 - A General Approximation Method For Bicriteria Minimization Problems
Stefan Ruzika, Department of Mathematics/Natural Sciences University of Koblenz-Landau Universitätsstraße 1 56070 Koblenz (Germany), ruzika@uni-koblenz.de

3 - Bicriteria Analysis Of The Fixed-charge Network Flow Problem - Separating Fixed Costs And Flow Costs
Michael Stiglmayr, University of Wuppertal, Wuppertal, Germany, stiglmayr@math.uni-wuppertal.de

4 - Multi-objective Optimization Of Coupled Systems
George Fadel, Mechanical Engineering Department Fluor Daniel Engineering Building Clemson University, Clemson SC 29634 USA, fgeorge@clemson.edu

■ SC65

Mockingbird 1- Omni

Machine Learning, Big Data and Economics

Sponsored: Information Systems

Sponsored Session

Chair: Beibei Li, Carnegie Mellon University, Heinz College, Pittsburgh, PA, 15213, United States, beibeili@andrew.cmu.edu

1 - Modeling User Engagement In Mobile Content Consumption With Tapstream Data
Yingjie Zhang, Carnegie Mellon University, yingjie2@andrew.cmu.edu

2 - Examine Large Scale App Usage Structure By Graphical Model
Jinyang zheng, University of Washington, Seattle, zhengjy@uw.edu

3 - Airbnb And Hotel Latent Quality
Uttara Ananthakrishnan, Carnegie Mellon University, uttara@cmu.edu

4 - How Much Is An Image Worth? An Empirical Analysis Of Property's Image Aesthetic Quality On Demand At Airbnb
Shunyuan Zhang, Carnegie Mellon University, Pittsburgh, PA, United States, shunyuaz@andrew.cmu.edu
Dokyun Lee, Param Vir Singh, Kannan Srinivasan

■ SC66

Mockingbird 2- Omni

Additive Manufacturing

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Prahalad Krishna Rao, Assistant Professor, Binghamton University, P.O. Box 6000, Binghamton, NY, 13902-6000, United States, prao@binghamton.edu

1 - Accelerated Process Optimization For Laser-based Additive Manufacturing By Leveraging Similar Prior Studies
Amir M Aboutaleb, Mississippi State University, Industrial & Systems Engineering Department, Mississippi State University, MS, 39762, United States, aa1869@msstate.edu, Linkan Bian

2 - Online Detection For Cyber Attacked Additive Manufactured Parts By Real-time Sensing And Analysis
Chenang Liu, Virginia Tech, Blacksburg, VA, 24061, United States, lchenang@vt.edu, Tomilayo Komolafe, Zhenyu Kong, Jaime Camelio

3 - Laplacian Eigen Compressive Sensing For Dimensional Integrity Classification In Additive Manufacturing
Prahalad Rao, Binghamton University, prahalad.k.rao@gmail.com

■ SC67

Mockingbird 3- Omni

Decision Analysis Approaches and Predictive Modeling to Managing Uncertainty in Manufacturing and Service Systems Design & Operations

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Zhenyu Kong, Virginia Tech, 1145 Perry Street, Blacksburg, VA, 24060, United States, zkong@vt.edu

1 - Self-organizing Network For Variable Clustering And Predictive Modeling
Hui Yang, Penn State University, huy25@engr.psu.edu

2 - Forecasting Of Weather-driven Damage In A Distribution System Of Electric Power
Zhiguo Li, IBM, hardthinking@gmail.com

3 - Prognostics Of Surgical Site Infections Using Dynamic Health Data
Yan Jin, University of Washington - Seattle, yanjin@uw.edu, Shuai Huang

4 - Spatiotemporal Model With Dirichlet Process Mixing For Nonnormal And Nonstationary Data
Jia Liu, Virginia Tech, jliu@vt.edu

■ SC68

Mockingbird 4- Omni

Panel Discussion: Funding Opportunities

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Moderator: Abhishek K Shrivastava, Florida State University, Tallahassee, FL, United States, ashrivastava@fsu.edu

Co-Chair: Hui Wang, FSU, TBD, TBD, FL, 00000, United States, hwang10@fsu.edu

1 - Panel Discussion On Funding Opportunities
Abhishek Shrivastava, Florida State University, FAMU-FSU College of Engineering, Tallahassee, FL, 32310, United States, ashrivastava@fsu.edu

2 - Panelist
Alexandra Medina-Borja, US National Science Foundation, 2507 Fowler St, Falls Church, VA, 22046, United States, alexandra.medinaborja@upr.edu

3 - Panelist
David Mendonca, NSF, Arlington, VA, 22230, United States, mendonca@nsf.gov

4 - Panelist
Joanne Culbertson, National Science Foundation, 4201 Wilson Boulevard, Arlington, VA, 22230, United States, jculbert@nsf.gov

■ SC69

Old Hickory- Omni

Pierskalla I

Award Session

Chair: Baris Ata, University of Chicago, Booth School of Business

Co-Chair: Anton Skaro, Northwestern University, Feinberg School of Medicine

Co-Chair: Sridhar Tayur, Carnegie Mellon University, Tepper School of Business

1-Pierskalla Award
Vikram Tiwari, Vanderbilt University Medical Center, Nashville, TN, Contact: vikram.tiwari@vanderbilt.edu

■ SC70

Acoustic- Omni

Transportation, Freight III

Contributed Session

Chair: Carlos Alberto Gonzalez-Calderon, Rensselaer Polytechnic Institute, 4 25th St, Apt 5, Troy, NY, 12180, United States, gonzac8@rpi.edu

1 - A Multi-commodity Intermodal Traffic Assignment Between Rail And Truck
Lokesh Kumar Kalahasthi, Rensselaer Polytechnic Institute, 22 College Ave, Troy, NY, 12180, United States, kalahl@rpi.edu Trilce Marie Encarnacion, Jose Holguin-Veras, John E Mitchell

2 - Reliable Routing Of Multicommodity Road-rail Intermodal Freight Under Uncertainty
M. Majbah Uddin, University of South Carolina, 300 Main Street, Civil and Environmental Engineering, Columbia, SC, 29208, United States, muddin@cec.sc.edu, Nathan Huynh

3 - Shipment Consolidation And Dispatching With Cross-docks
Sinem Tokcaer, Izmir University of Economics, Fevzi Cakmak Mh, Sakarya Cd No:156, Izmir, 35330, Turkey, sinem.tokcaer@ieu.edu.tr, Ahmet Camci, Ozgur Ozpeynirci

4 - Freight Trip Generation (FTG), Freight Generation FG) And Service Trip Attraction (STA) In New York City (NYC) And Capital Region
Carlos Alberto Gonzalez-Calderon, Rensselaer Polytechnic Institute, 4 25th St, Apt. 5, Troy, NY, 12180, United States, gonzac8@rpi.edu, Jose Holguin-Veras, Shama Campbell, Lokesh Kumar Kalahasthi

■ SC71

Electric- Omni

Transportation, Public III

Contributed Session

Chair: Mehdi Zamanipour, University of Arizona, 7415 Seneca Ridge Dr, McLean, VA, 22102, United States, zamanipour@email.arizona.edu

1 - Developing an Integrated Approach To Optimize Vehicle And Driver Scheduling Problem With Equilibrium Constraint
Bisheng He, Southwest Jiaotong University, 111#, 1st Section, Northern 2nd Ring Road, Chengdu, 610031, China, bishenghe@home.swjtu.edu.cn, Xiaobo Liu, Gongyuan Lu, Wei Xiao

2 - How Tight Capacity Constraints Invoke Bounded Rationality And How To Consider Bounded Rationality In Designing Dynamic Capacitated Transit Service Network
Jiangtao Liu, Arizona State University, 2026 S Hammond Drive, Apt 205, Tempe, AZ, 85282, United States, jliu215@asu.edu, Xuesong Zhou

3 - Study on The Taxi Fleet Of Electric Vehicles With Battery Swapping
Lei Li, Zhejiang University, 866 Yuhangtang Rd, West Lake District, Hangzhou, 310058, China, lilei.simon@gmail.com, Qingwei Jin

4 - Pricing Analysis And Optimization Of Mobility On Demand Service
Hao Zhou, Research Scientist, Ford Motor Company, 2101 Village Road, Dearborn, MI, 48124, United States, haozhou@umich.edu

5 - An Integrated Priority Optimization And Intelligent Traffic Signal Control Model
Mehdi Zamanipour, University of Arizona, 7415 Seneca Ridge Dr, McLean, VA, 22102, United States, zamanipour@email.arizona.edu, Govind Vadakpat

■ SC72

Bass- Omni

Supply Chain Mgt III

Contributed Session

Chair: Qinshen Tang, National University of Singapore, Business School, I Business Link, Singapore, Singapore, tang@u.nus.edu

1 - An Empirical Analysis Of Supply Chain Finance Adoption
David Wuttke, EBS University, Burgstr. 5, Oestrich-Winkel, 65375, Germany, david.wuttke@ebs.edu, Eve Rosenzweig, H. Sebastian Heese

2 - Models For Evaluating And Monitoring Supply Chain Network Design Efficiency
Hakan Yildiz, Assistant Professor, Michigan State University, Department of Supply Chain Management, 370 N Business Complex, East Lansing, MI, 48824, United States, yildiz@broad.msu.edu, Sri Talluri, Jiho Yoon, John M Wassick

3 - Supply Chain Performance With A Target Oriented Retailer
Qinshen Tang, National University of Singapore, Business School, I Business Link, Singapore, Singapore, tang@u.nus.edu, Gongtao Lucy Chen, Melvyn Sim

■ SC79

Legends G- Omni

Health Care, Modeling III

Contributed Session

Chair: Hamoud Sultan Bin Obaid, PhD student, University of Oklahoma, 1027 E Brooks St., Apt E, Norman, OK, 73071, United States, hsbinobaid@gmail.com

1 - Strategic Nurse Allocation Policies For A Pediatric Intensive Care Unit
Osman Tuncay Aydas, University of Wisconsin-Milwaukee, 3202 N Maryland Avenue, S466, Milwaukee, WI, 53202, United States, otaydas@uwm.edu, Anthony D. Ross, Kaan Kuzu

2 - Wait Time Announcements At Hospital Emergency Departments
Marco Bijvank, University of Calgary, 2500 University Dr. NW, Calgary, AB, T2N 1N4, Canada, marco.bijvank@haskayne.ucalgary.ca, Zhankun Sun

3 - Allocation Of Medical Interventions In Outbreak Control: The Case Of Ebola Virus
Farbod Farhadi, Roger Williams University, 1 Old Ferry Road, Bristol, RI, 02809, United States, ffarhadi@rwu.edu

5 - Cyclic Physician Scheduling Using Goal Programming
Hamoud Sultan Bin Obaid, PhD Student, University of Oklahoma, 1027 E Brooks St., Apt E, Norman, OK, 73071, United States, hsbinobaid@gmail.com, Theodore B Trafalis

■ SC86

Gibson Board Room-Omni

Manufacturing III

Contributed Session

Chair: Zahra Sedighi Maman, Auburn University, Auburn, AL, 36849, United States, zzs0016@auburn.edu

1 - Minimum Cost Allocation Of Quality Improvement Targets: The Effects Of Forgetting And Knowledge Decay
Didun Peng, Purdue University, 610 Purdue Mall, West Lafayette, IN, 47906, United States, peng67@purdue.edu Weijia Wang, Robert Plante, Jen Tang

2 - Energy Cost Minimization In Changeable Manufacturing Systems
Shima Ghanei, University of Minnesota -Duluth, 105 Voss Kovach Hall,1305 Ordean Court, Duluth, MN, 55812, United States, ghane009@d.umn.edu, Tarek Al Geddawy

3 - Printing The Future: Using Analytics To Advance Additive Manufacturing
Sarah Powers, Oak Ridge National Laboratory, One Bethel Valley Rd., P.O. Box 2008, Oak Ridge, TN, 37831, United States, powersss@ornl.gov

4 - A Short Note On The Effect Of Sample Size On The Estimation Error In Cp
Zahra Sedighi Maman, Auburn University, Auburn, AL, 36849, United States, zzs0016@auburn.edu, William Murphy, Saeed Maghsoodloo, Fatemeh HajiAhmadi, Fadel Megahed

Sunday, 3:10PM - 4:00PM

■ Keynote

Davidson Ballroom A-MCC

Optimizing the Kiel Canal – Online Routing of Bidirectional Traffic

Keynote Session

Michael Trick, IFORS President, Carnegie Mellon University, Pittsburgh, PA 15213-3890, trick@cmu.edu

1 - Optimizing The Kiel Canal – Online Routing Of Bidirectional Traffic
Rolf H Mohring, Beijing Institute of Scientific and Engineering Computing, Beijing, China, rolf.moehring@me.com

■ Keynote

Davidson Ballroom B-MCC

Creating the Exascale Ecosystem for Science

Invited: Plenary, Keynote

Invited Session

Bogdan Bichescu, The University of Tennessee, Knoxville, TN 37996-0525, bbichescu@utk.edu

1 - Creating The Exascale Ecosystem For Science
Jeff Nichols, Oakridge National Laboratory, Oak Ridge, TN, United States, malonelt@ornl.gov

■ Keynote

Davidson Ballroom C-MCC

Analytic + IT + Deployment = Real World Impact

Keynote Session

Robin Lougee, IBM TJ Watson Research Center, Yorktown Heights, NY 10598, rlougee@us.ibm.com

1 - Analytic + IT + Deployment = Real World Impact
Ramayya Krishnan, Carnegie Mellon University, Pittsburgh, PA, United States, rk2x@cmu.edu

■ SC94

5th Avenue Lobby-MCC

Wiley/Provalis Research

Wiley/Provalis: Technology Tutorial

1 - Provalis Research will Showcase its Integrated Collection of Text Analytics Software
Normand Peladeau, Prevalis Research, Montrea, QC, Canada. peladeau@provalisresearch.com

2 - Interested in Publishing for the Wiley Series in Operations Research and Management Science?
James Cochran, University of Alabama, Tuscaloosa, AL, jcochran@cba.ua.edu

■ SD01

101A-MCC

Interpretable Machine Learning in Social Science

Sponsored: Data Mining

Sponsored Session

Chair: Tong Wang, MIT, Cambridge, MA, United States, tongwang@mit.edu

1 - Interpretable Decision Sets: A Joint Framework For Description And Prediction
Himabindu Lakkaraju, Stanford University, himalv@cs.stanford.edu

2 - Exploring Complex Systems Using Semi-parametric Graphical Models
Mladen Kolar, University of Chicago, mkolar@chicagobooth.edu

3 - Causal Rule Set For Subgroup Identification
Tong Wang, University of Iowa, tongwang@mit.edu

■ SD02

101B-MCC

Data Analytics and Modeling for Medical Prognosis and Decision Making

Sponsored: Data Mining

Sponsored Session

Chair: Shouyi Wang, University of Texas-Arlington, Arlington, TX, United States, shouyiw@uta.edu

1 - Disgnosis Of Posttraumatic Stress Disorder Using Functional Near Infrared Spectroscopy (fNIRS) signals And Data Mining Techniques
Rahil Hosseini, University of Texas at Arlington, rahilsadat.hosseini@mavs.uta.edu

2 - Pattern Classication And Analysis Of Memory Processing In Depression Using Eeg Signals
Kin Ming Puk, University of Texas at Arlington, bookbook0089@gmail.com

3 - Discriminating Parkinson's Disease (pd) Using Functional Connectivity And Brain Network Analysis
Shouyi Wang, University of Texas at Arlington, shouyiw@uta.edu

■ SD03

101C-MCC

Doing Good with Good OR II

Invited: Doing Good with Good OR

Invited Session

Chair: Chase Rainwater, University of Arkansas, 4207 Bell Engineering Center, Fayetteville, AR, 72701, United States, cer@uark.edu

1- Optimizing Breast Cancer Diagnostic Decisions to Reduce Overdiagnosis
Sait Tunc, Department of Industrial and Systems Engineering, University of Wisconsin-Madison, Madison, WI 53706, stunc@wisc.edu, Oguzhan Alagoz, Elizabeth S. Burnside

2 - A Decision Support System for the Management of Aid-In-Kind Donations for Turkish Red Crescent
Semih Boz, Department of Industrial Engineering, Bilkent University, Ankara, Turkey, Semih Kaldirim, Bilge Kaycioglu, Buse Eylul Oruc, Eren Ozbay, Mirel Yavuz, Sinan Derindere, Ali Erkan, Pinar Ozkurt

■ SD04

101D-MCC

Optimizing Urban Infrastructure Resilience Under Climate Change

Sponsored: Energy, Natural Res & the Environment I Environment & Sustainability

Sponsored Session

Chair: Mohammad Ramshani, University of Tennessee, 524 John D. Tickle Building, Knoxville, TN, 37996, United States, mramshan@vols.utk.edu

1 - Optimizing Green Roof Integrated Photovoltaics Placement Under Climate Change
Mohammad Ramshani, University of Tennessee, mramshan@vols.utk.edu, Xueping Li, Anahita Khojandi, Olufemi A Omitaomu

2 - Optimal Planning Of Green Infrastructure Placement Under Precipitation Uncertainty
Masoud Barah, University of Tennessee, mbarah@vols.utk.edu, Anahita Khojandi, Xueping Li, Jon Hathaway

3 - Optimal Placement Of Green Infrastructure Under Uncertainty
Anahita Khojandi, University of Tennessee, 603 W Main St., Apt 801, Knoxville, TN, 37902, United States, anahitakhojandi@gmail.com, Mohit Shukla, Xueping Li, Mohammad Ramshani

■ SD05

101E-MCC

ENRE Award Session

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Andy Sun, Georgia Institute of Technology, Atlanta, GA, 30332, United States, andy.sun@isye.gatech.edu

■ SD06

102A-MCC

INFORMS 2016 Data Mining Best Student Paper Awards II

Sponsored: Data Mining

Sponsored Session

Chair: Mustafa Gokce Baydogan, Bogazici University, Istanbul, Turkey, baydoganmustafa@gmail.com

■ SD07

102B-MCC

Joint Session DM/AI: Predictive Analytics in Data Science

Sponsored: Data Mining

Sponsored Session

Chair: Xi Wang, University of Iowa, S210 John Pappajohn Business Building, Iowa City, IA, 52242-1000, xi-wang-1@uiowa.edu

1 - Link Prediction In Multi-relational Networks For Online Health Communities
Xi Wang, The University of Iowa, xi-wang-1@uiowa.edu
Kang Zhao

2 - Purchase Prediction Based On Multilevel Association Rule Mining
Xinxue Qu, College of Business, Iowa State University, Ames, IA, 50010, United States, quxinxue@iastate.edu, Zhengrui Jiang

3 - Risk Information Disclosure And Project Success Rate
Yang Pan, University of Maryland, ypan@rhsmith.umd.edu

■ SD10

103C-MCC

INFORMS Prize

Invited: INFORMS Prize

Invited Session

Chair: Julia Morrison, Marriott International, Department 51/974.18, Bethesda, MD, 20817, United States, julia.e.morrison@marriott.com

1 - 2016 INFORMS Prize Presentation by GeneralMotors
Michael Harbaugh, General Motors, Warren, MI, United States, michael.harbaugh@gm.com, Robert Inman, Peiling Wu-Smith, Yilu Zhang

■

104A-MCC

Network Optimization

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Alexander Nikolaev, Assistant Professor, University at Buffalo, 312 Bell Hall, Buffalo, NY, 14260, United States, anikolae@buffalo.edu

1 - Optimal Seed Activation Scheduling For Influence Maximization In Social Networks
Mohammadreza Samadi, Operations Research Consultant, American Airlines, Fort Worth, TX, United States, Mohammadreza.Samadi@aa.com, Alexander Nikolaev, Rakesh Nagi

2 - From Local To Global Connections: A New Random Graph Model To Explain The Structural Properties Of Real-world Networks
Rakesh Nagi, U of Illinois at Urbana-Champaign, Department of Industrial & Enterprise Systems, 117 Transportation Building, MC-238, Urbana, IL, 61801, United States, nagi@illinois.edu
Sushant Khopkar, Alexander Nikolaev

3 - Constrained Sparse Optimization For Tensor Based Modeling Of Student Learning In Collaborative Environments
Alireza Farasat, University at Buffalo, afarasat@buffalo.edu

4 - Generalized Cascade Model And Seed Bounds For Disease Spread In Social Networks
Arash Ghayoori, U of Illinois at Urbana-Champaign, Urbana, IL, 61801, United States, ghayoor2@illinois.edu, Rakesh Nagi

■ SD12

104B-MCC

Convexification Techniques in Integer Programming

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Sercan Yildiz, Carnegie Mellon University, 5000 Forbes Ave, Pittsburgh, PA, 15213, United States, syildiz@email.unc.edu

1 - Sparse Pseudoinverses Via LP And SDP Relaxations Of Moore-Penrose
Jon Lee, University of Michigan, jonxlee@umich.edu

2 - Optimal Truss Topology Design By Mixed Integer Conic Optimization
Tamas Terlaky, Lehigh University, terlaky@lehigh.edu, Mohammad Shahabsafa, Ali Mohammad-Nezhad, Luis F Zuluaga

3 - Low-complexity Relaxations And Convex Hulls Of Disjunctions On The Positive Semidefinite Cone And General Regular Cones
Sercan Yildiz, Postdoctoral Researcher, Statistical and Applied Mathematical Sciences Institute, Durham, NC, United States, syildiz@email.unc.edu, Fatma Kilinc-Karzan

■ SD13

104C-MCC

New Algorithms for Global Optimization and MINLP I

Sponsored: Optimization, Global Optimization

Sponsored Session

Chair: John W Chinneck, Carleton University, Ottawa, ON, Canada, chinneck@sce.carleton.ca

1 - Nonlinear Objective Decomposition By Binary Decision Diagrams
David Bergman, University of Connecticut, david.bergman@business.uconn.edu, Andre Augusto Cire

2 - Identifying And Exploiting Special Features In Mixed Integer Nonlinear Programs
Linus E Schrage, LINDO Systems, Inc., linus.schrage@chicagobooth.edu

3 - A Fast Heuristic For Global Optimization
John Chinneck, Carleton University, chinneck@sce.carleton.ca, Mubashsharul Shafique

4 - A Dantzig-Wolfe Decomposition With Nonlinear Subproblems For Recursive Circle Packing
Ambros Gleixner, Zuse Institute Berlin, Takustr. 7, Berlin, 14195, Germany, gleixner@zib.de
Stephen John Maher, Benjamin Müller, Joao Pedro Pedroso

■ SD14

104D-MCC

Big Data Analytics and Applications in E-Commerce

Sponsored: Analytics

Sponsored Session

Chair: Linwei Xin, U of Illinois at Urbana-Champaign, Urbana, IL, 12345, United States, lxin@illinois.edu

1 - A Nonparametric Sequential Test For Online Experiments
Vineet Abhishek, @WalmartLabs, Sunnyvale, CA, United States, vineet.abhishek@gmail.com, Shie Mannor

2 - Implementing Tailored Base-surge Inventory Policies At Walmart.com
Linwei Xin, U of Illinois at Urbana-Champaign, lxin@illinois.edu
John Bowman, Huijun Feng, Zhiwei Qin, Long He, Jagtej S Bewli

■ SD15

104E-MCC

High Dimensional Data Analysis via an Optimization Lens

Invited: Modeling and Methodologies in Big Data

Invited Session

Chair: Dimitris Bertsimas, Massachusetts Institute of Technology, Cambridge, MA, 1, United States, dbertsim@mit.edu

1 - Optimal Classification Trees
Jack Dunn, Operations Research Center, MIT, jackdunn@mit.edu

2 - Sparse High-dimensional Regression: Exact Scalable Algorithms And Phase Transitions
Bart van Parys, Operations Research Center, MIT, vanparys@mit.edu

3 - Compressed Sensing Via A Modern Optimization Lens
Lauren Berk, Operations Research Center, MIT, lberk@mit.edu

4 - Sparse Convex Regression
Nishanth Mundru, Massachusetts Institute of Technology, Cambridge, MA, 02139, United States, nmundru@mit.edu, Dimitris Bertsimas

■ SD16

105A-MCC

Buffered Probability of Exceedance and Applications

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Matthew Norton, University of Florida, 355 Tigert Hall, Gainesville, 32611, United States, mdnorton@ufl.edu

1 - Buffered Probability Of Exceedance And Applications To Machine Learning
Matthew Norton, University of Florida, mdnorton@ufl.edu

2 - Buffered Probability Of Exceedance: Methodology And Applications
Stan Uryasev, University of Florida, uryasev@ufl.edu

3 - Smoothed Buffered Probability Of Exceedance: A New Class Of Probability-like Uncertainty Measures
Alexander Mafusalov, University of Florida, mafusalov@ufl.edu

4 - Approximation Of A Distribution With A Finite Mixture Of Some Other Distributions Using Cvar Norm
Giorgi Pertaia, University of Florida, Gainesville, FL, United States, georgepertaia@gmail.com

■ SD17

105B-MCC

Polyhedral Methods in Integer Programming under Uncertainty

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Weijun Xie, Georgia Institute of Technology, 225 North Ave, Atlanta, GA, 30332, United States, wxie33@gatech.edu

1 - Decomposition Methods For Solving Distributionally Robust Two-stage Stochastic Integer Programs
Sanjay Mehrotra, Northwestern University, mehrotra@northwestern.edu, Manish Bansal, Kuo-Ling Huang

2 - An Integer Programming Approach For Two-sided Chance-constrained Programs
Xiao Liu, The Ohio State University, liu.2738@osu.edu
Simge Kucukyavuz, Fatma Kilinc-Karzan

3 - A Polyhedral Approach To Online Bipartite Matching
Alfredo Torrico, Georgia Institute of Technology, Atlanta, GA, United States, atorrico3@gatech.edu, Alejandro Toriello, Shabbir Ahmed

4 - On Risk Averse Submodular Minimization
Weijun Xie, Georgia Institute of Technology, Atlanta, GA, United States, wxie33@gatech.edu, Shabbir Ahmed

■ SD18

106A-MCC

Marketing VI

Contributed Session

Chair: Gary Chao, Kutztown University, 888 Kingston Ln, Breinigsville, PA, 18031, United States, chao@kutztown.edu

1 - Product Life Cycle Among Different Generations
Gary Chao, Kutztown University, PO Box 730, Department of Business Administration, Kutztown, PA, 19530, United States, chao@kutztown.edu, Maxwell Hsu

2 - Multivariate Analysis Of Consumer Preference Structures Across Multiple Categories
Sri Devi Duvvuri, Assistant Professor, University of Washington, Bothell, 219 Beardslee, University of Washington, Bothell, WA, 98011, United States, duvvuris@uw.edu

■ SD19

106B-MCC

Parallel Computing for Optimization and Data Analysis

Sponsored: Computing

Sponsored Session

Chair: Jonathan Eckstein, Rutgers University, Rutgers University, Piscataway, NJ, 00000, United States, jeckstei@rci.rutgers.edu

1 - The Rectangular Maximum Agreement Problem And Its Data Analysis Applications
Ai Kagawa, Rutgers University, ai.kagawa@gmail.com

2 - Object-parallel Solution Of Lasso Problems
Gyorgy Matyasfalvi, Rutgers University, 100 Rockafeller Road, Piscataway, NJ, 08854, United States, matyasfalvi@gmail.com
Jonathan Eckstein

3 - Asynchronous ADMM-like Optimization Algorithms
Jonathan Eckstein, Rutgers University, jeckstei@rci.rutgers.edu

■ SD20

106C-MCC

A Unified Framework for Optimization under Uncertainty

Invited: Tutorial

Invited Session

Chair: Warren B Powell, Princeton University, 230 Sherrerd Hall, Dept of Operations Research and Financial Eng, Princeton, NJ, 08544, United States, powell@princeton.edu

1 - A Unified Framework For Optimization under Uncertainty
Warren B Powell, Princeton University, 230 Sherrerd Hall, Dept Of Operations Research And Financial Eng, Princeton, NJ, 08544, United States, powell@princeton.edu

■ SD21

107A-MCC

Healthcare, General

Contributed Session

Chair: Julie Lynn Hammett, Texas A&M University, 301 Holleman Dr E, Apt 728, College Station, TX, 77840, United States, jhammett@tamu.edu

1 - Analysis Of Physician Productivity In Emergency Departments
Krista Foster, University of Pittsburgh, Mervis Hall, Roberto Clemente Drive, Pittsburgh, PA, 15260, United States, kmf88@pitt.edu, Jennifer S Shang

2 - A Review And Extension Of Clinically Significant, Automated Estimation Of End Systolic And End Diastolic Volumes In Cardiac MRIs
Michael Kim, Booz Allen Hamilton, 3930 Valley Ridge Drive, Fairfax, VA, 22033, United States, mikeskim@gmail.com

3 - The Risks Of Risk Adjusted Mortality Rates And A Proposed Alternative Measure
Thomas Raymond Sexton, Professor, Stony Brook University, 317 Harriman Hall, Stony Brook, NY, 11794-3775, United States, Thomas.Sexton@StonyBrook.edu, Christine Pitocco

4 - Effects Of Artificial Agents Based Ordering On The Supply Chain Of Perishables
Harshal Lowalekar, Assistant Professor, Indian Institute of Management-Indore, Prabandh Shikhar, Rau-Pithampur Road, Indore, 453331, India, lwlherschelle@gmail.com, Raghu Santanam, Ajay Vinze

5 - Remote Patient Monitoring System Framework: A User Perspective
Julie Lynn Hammett, Texas A&M University, 301 Holleman Dr E, Apt 728, College Station, TX, 77840, United States, jhammett@tamu.edu, Michelle M. Alvarado, Mark Alan Lawley

■ SD22

107B-MCC

Disaster Relief Supply Chains and Operations

Sponsored: Public Sector OR

Sponsored Session

Chair: Felipe Aros-Vera, Ohio University, Stocker Center 277, 1 Ohio University, Athens OH, OH, 45701, United States, aros@ohio.edu

1 - Pre-positioning Emergency Relief Items Before A Typhoon With An Uncertain Trajectory
Joline Uichanco, University of Michigan, Ross School of Business, jolineu@umich.edu

2 - Ecuador Earthquake Relief Support: Observations From Fieldwork Research
Johanna Amaya, Rensselaer Polytechnic Institute, Troy, NY, United States, amayaj@iastate.edu, Johanna Amaya, Iowa State University, Ames, IA, 50011, United States, amayaj@iastate.edu, Cinthia Perez Siguenza, Jose Holguin-Veras

3 - Objectives' Misalignment In Humanitarian Operations: The Role Of Earmarking
Laura Turrini, Kuehne Logistics University, laura.turrini@the-klu.org, Maria Besiou

4 - Willingness-to-pay Models On Post-disaster Environments
Diana Ramirez-Rios, Research Assistant, Rensselaer Polytechnic Institute, Troy, NY, 12180, United States, ramird2@rpi.edu Jose Holguin-Veras, Johanna Amaya, Trilce Marie Encarnacion, Shaligram Pokharel, Victor Cantillo, Luk Wassenhove

■ SD23

108-MCC

Applications in Physician Scheduling

Sponsored: Health Applications

Sponsored Session

Chair: Andreas Fügener, Universität zu Köln, 123334, Germany, andreas.fuegener@uni-koeln.de

1 - Decision Support For Physician Rostering: Development Of Models And Implementation Of Software
Jens Brunner, University of Augsburg, jens.brunner@unikat.uni-augsburg.de, Andreas Fuegener

2 - Neonatal Physician Scheduling At The University Of Tennessee Medical Center
Charles E Noon, University of Tennessee-Knoxville, Knoxville, TN, United States, cnoon@utk.edu, Melissa R Bowers, Wei Wu, Kirk Bass

3 - Equitable Scheduling Of Resident Shifts
Hernan Abeledo, George Washington University, abeledo@gwu.edu, Anthony Coudert

4 - Re-scheduling Of Physicians In Case Of Unexpected Absences
Andreas Fügener, University of Cologne, andreas.fuegener@uni-koeln.de, Christopher Gross, Jens Brunner

■ SD24

109-MCC

New Directions in Non-Market Strategies

Invited: Strategy Science

Invited Session

Chair: Jason Snyder, University of Utah, Eccles School, Salt Lake City, UT, 9, United States, Jason.snyder@eccles.utah.edu

1 - Locked In? Noncompete Enforceability And The Mobility And Earnings Of High-tech Workers
Jin Woo Chang`, University of Michigan, Ann Arbor, MI, United States, jinwooch@umich.edu, Natarajan Balasubramanian, Mariko Sakakibara, Jagadeesh Sivadasan, Evan Starr

2 - On A Firm's Optimal Response To Pressure For Gender Pay Equity
David Ross, University of Florida, 55, Gainesville, FL, 32611, United States, David.Ross@warrington.ufl.edu David Anderson, Cristian Dezsö, Margret Bjarnadottir

■ SD25

110A-MCC

Managing Uncertainties in Projects

Invited: Project Management and Scheduling

Invited Session

Chair: Janne Kettunen, The George Washington University, Washington, DC, United States, jkettune@gwu.edu

1 - Zooming In On The Innovator's Bias Within Organizations
Fabian Sting, Erasmus University Rotterdam, Rotterdam School of Management, fsting@rsm.nl, Christoph Fuchs, Maik Schlickel

2 - To Better Manage Risks In New Product Development Portfolio Selection – Be Risk Neutral
Janne Kettunen, Assistant Professor, The George Washington University, 2201 G Street, NW, Washington, DC, 20052, United States, jkettune@gwu.edu, Shivraj Kanungo

3 - Project Portfolio Selection – A Behavioral Study
Sebastian Schiffels, Technical University of Munich, Munich, 80333, Germany, sebastian.schiffels@wi.tum.de, Thomas Fliedner, Rainer Kolisch

4 - Initiating Supplier New Product Development Projects: A Behavioral Investigation
David Wuttke, EBS University, Wiesbaden, Germany, david.wuttke@ebs.edu, Karen Donohue, Enno Siemsen

■ SD26

110B-MCC

Auctions and Trading Agents

Invited: Auctions

Invited Session

Chair: Wolfgang Ketter, Rotterdam School of Management, Rotterdam, Netherlands, wketter@rsm.nl

1 - Using Optimal Grid Resources For Coordinating Electric Vehicle Charging
Konstantina Valogianni, IE Business School, Madrid, Spain, konstantina.valogianni@ie.edu, Alok Gupta, Wolfgang Ketter, Soumya Sen, Eric F Van Heck

2 - Modelling Electricity Balancing Market Prices And Premiums: A Non-parametric Non-linear Approach
Ezgi AVCI-SURUCU, PhD Student, Rotterdam School of Management, Rotterdam, Netherlands, avcisurucu@rsm.nl Wolfgang Ketter, Gerhard Wilhelm-Weber

■ SD27

201A-MCC

Empirical Research in Finance and Operations

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: William Schmidt, Cornell University, United States, ws366@cornell.edu

1 - Optimal Timing Of Inventory Decisions Under Price Uncertainty
Nikolay Osadchiy, Emory University, nikolay.osadchiy@emory.edu, Vishal Gaur, Sridhar Seshadri, Marti Subrahmanyam

2 - Wisdom Of Crowds: Forecasting Using Prediction Markets
Ruomeng Cui, Kelley School of Business, Indiana University, Bloomington, IN, 47401, United States, cuir@indiana.edu Achal Bassamboo, Antonio Moreno-Garcia

3 - Linking Operational Performance To Financial Distress In The U.S. Airline Industry
Yasin Alan, Vanderbilt University, Nashville, TN, United States, yasin.alan@owen.vanderbilt.edu, Michael A Lapre

4 - Operational Transparency With Investors
William Schmidt, Cornell University, ws366@cornell.edu, Ananth Raman

■ SD28

201B-MCC

Energy Operations and Policy

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Ozge Islegen, Kellogg School of Management, Evanston, IL, United States, o-islegen@kellogg.northwestern.edu

1 - The Economics Of Residential Solar PV Adoption
Ozge Islegen, Kellogg School of Management, o-islegen@kellogg.northwestern.edu, Basak Kalkanci

2 - Remuneration Of Flexibility Using Operating Reserve Demand Curves: A Case Study Of Belgium
Anthony Papavasiliou, CORE, UCL, tpapva@hotmail.com Yves Smeers

3 - Robust Supply Function Equilibrium In Renewable Energy Markets
Yuanzhang Xiao, Northwestern University, Evanston, IL, United States, yuanzhang.xiao@northwestern.edu, Chaithanya Bandi, Ermin Wei

4 - An Analysis Of Demand Response Programs In The Wholesale Electricity Market
Asligul Serasu Duran, Kellogg School of Management, Evanston, IL, 60208, United States, a-duran@kellogg.northwestern.edu, Baris Ata, Ozge Islegen

■ SD29

202A-MCC

Energy Resource Valuation, Investment and Management

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Owen Wu, Associate Professor, Indiana University, 1309 E. 10th Street, Bloomington, IN, 47405, United States, owenwu@indiana.edu

1 - Valuing Distributed Energy Resources In Electricity System Planning: Locational Benefits And Economies Of Unit Scale
Jesse Jenkins, Massachusetts Institute of Technology, jessedj@mit.edu

2 - Combined Heat And Power Production – Valuing Flexible Operation In An Uncertain Environment
Christoph Weber, University Duisburg-Essen, christoph.weber@uni-due.de

3 - Economic Feasibility Of Compressed Air Energy Storage Under Market Uncertainty
Reinhard Madlener, Director FCN, Full Professor of Energy Econ & Mgt, RWTH Aachen University, Mathieustrasse 10, Aachen, 52074, Germany, RMadlener@eonerc.rwth-aachen.de, Eide Hammann, Christoph Hilgers

4 - Merchant Energy Trading In A Network
Selva Nadarajah, University of Illinois at Chicago, selvan@uic.edu, Nicola Secomandi

■ SD30

202B-MCC

Establishing Trust in Operations

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Ryan Buell, Harvard Business School, Boston, MA, United States, rbuell@hbs.edu

1 - Managing Supplier Risks Via Diversification Versus Improvement: An Experimental Evaluation
Basak Kalkanci, Scheller School of Management, Basak.Kalkanci@scheller.gatech.edu

2 - Understanding And Managing Customer-induced Negative Externalities In Congested Self-service Environments
Hyun Seok Lee, University of North Carolina at Chapel Hill, Chapel Hill, NC, 27514, United States, Hyunseok_Lee@kenan-flagler.unc.edu, Saravanan Kesavan, Vinayak Deshpande

3 - The Impact Of Decision Rights And Long Term Relationships On Innovation Sharing
Ruth Beer, Indiana University, Kelley School of Business, ruthbeer@indiana.edu, Hyun-Soo Ahn, Stephen Leider

■ SD31

202C-MCC

Issues in Supply Chains, Risk Management and Finance

Sponsored: Manufacturing & Service Oper Mgmt, iFORM

Sponsored Session

Chair: Juan Camilo Serpa, McGill University, 1001 Rue Sherbrooke O, Montreal, QC, H3A 1G5, Canada, juan.serpa@sauder.ubc.ca

1 - Mitigating Disruption Cascades In Supply Networks
Nitin Bakshi, London Business School, London, United Kingdom, nbakshi@london.edu, Shyam Mohan

2 - Cancelability In Trade Credit Insurance
S. Alex Yang, London Business School, sayang@london.edu, Christopher J Chen, Nitin Bakshi

3 - Trade Credit In Competition: A Horizontal Benefit
Heikki Peura, London Business School, hpeura@london.edu
S. Alex Yang, Guoming Lai

■ SD32

203A-MCC

Scheduling IV

Contributed Session

Chair: Yumei Huo, Associate Professor, City University of New York, 2800 Victory Boulevard, 1N 215, Staten Island, NY, 10314, United States, yumei.huo@csi.cuny.edu

1 - An Improved Algorithm On Two-stage Scheduling With An Outsourcing Option
Kangbok Lee, City University of New York, York College, 94-20 Guy R Brewer Boulevard, Queens, NY, 11451, United States, kangbok.lee3@gmail.com, Xiaojuan Jiang, An Zhang, Yong Chen, Guangting Chen

2 - Can Distance-driven Online Scheduling Be Better Than Order-driven?
KeLin Luo, Xi'an Jiaotong University, Xianning West Road 29, Xi'an, 710049, China, luokelin@stu.xjtu.edu.cn

3 - A Dynamic Lot Sizing Based Discounted Cash Flow Model Considering Working Capital Requirement Financing Costs
Thomas G Yeung, Associate Professor, Ecole des Mines de Nantes, 4 rue Alfred Kastler BP 20722, La Chantrerie, Nantes, 44307, France, thomas.yeung@mines-nantes.fr, Yuan Bian, David Lemoine, Nathalie Bostel-Dejax, Jean-Laurent Viviani, Vincent Hovaleque

4 - Two Machine Scheduling Subject To Arbitrary Machine Unavailability
Yumei Huo, Associate Professor, City University of New York, 2800 Victory Boulevard, 1N 215, Staten Island, NY, 10314, United States, yumei.huo@csi.cuny.edu

■ SD33

203B-MCC

Recent Advances in Simulation

Sponsored: Simulation

Sponsored Session

Chair: Jing Dong, Northwestern University, Evanston, IL, United States, jing.dong@northwestern.edu

Co-Chair: Jose Blanchet, Columbia University, New York, NY, United States, jose.blanchet@gmail.com

1 - On Calibrating Statistical Distances
Huajie Qian, University of Michigan, 2302 St Francis Drive, Apt B118, Ann Arbor, MI, 48104, United States, hqian@umich.edu
Henry Lam

2 - Multi-resolution Gaussian Markov Random Fields For Discrete Optimization Via Simulation
Eunhye Song, Northwestern University, Evanston, IL, United States, EunhyeSong2016@u.northwestern.edu
Barry L Nelson, Jeremy C Staum

3 - Unbiased Monte Carlo Computations For Optimization And Functions Of Expectations
Yanan Pei, Columbia University, yp2342@columbia.edu, Jose Blanchet, Peter W Glynn

4 - Estimation In The Tail Of The Gaussian Copula
Raghu Pasupathy, Purdue University, West Lafayette, IN, 47907, United States, pasupath@purdue.edu

■ SD34

204-MCC

Joint Session HAS/MSOM-HC: Models and Analytics in Healthcare Operations

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Joel Goh, Harvard Business School, Boston, MA, United States, jgoh@hbs.edu

1 - Accurate Prediction Of Case Duration
Amirhossein Meisami, University of Michigan, Ann Arbor, MI, United States, meisami@umich.edu, Nick Kastango, Christopher Thomas Borum Stromblad, Mark P Van Oyen

3 - Admission Of Long Stay Patients In A Busy Pediatric ICU
Fernanda Bravo, Assistant Professor, UCLA Anderson School of Management, Los Angeles, CA, United States, fernanda.bravo@anderson.ucla.edu, Michael McManus

4 - Scheduling Work In Radiology
Maria R. Ibanez, Harvard Business School, mibanez@hbs.edu

■ SD35

205A-MCC

Strategic Queueing

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Laurens Debo, Dartmouth College, Tuck School of Business, Hanover, NH, 03755, United States, Laurens.G.Debo@tuck.dartmouth.edu

Co-Chair: Luyi Yang, University of Chicago, Booth School of Business, Chicago, IL, 60637, United States, luyi.yang@chicagobooth.edu

1 - Queueing With Strategic Balking And System Design
Yichen Tu, University of North Carolina, Chapel Hill, NC, United States, yichen1@live.unc.edu, Nur Sunar, Serhan Ziya

2 - Risk/return Trade-off In Queues With A Nonlinear Waiting Cost Function
Hossein Abouee-Mehrizi, University of Waterloo, 200 University Avenue West, Waterloo, ON, N2L 3G1, Canada, haboueemehrizi@uwaterloo.ca, Ata G Zare, Renata Konrad

3 - Optimal Information Disclosure In M/M/1 Queues
Shiliang Cui, Georgetown University, 548 Rafik B. Hariri Building, 37th & O Streets, NW, Washington, DC, 20057, United States, shiliang.cui@georgetown.edu, Jinting Wang

4 - Want Priority Access? Refer Your Friend To Move Up In Line
Luyi Yang, University of Chicago, lyang6@chicagobooth.edu
Laurens G Debo

■ SD36

205B-MCC

Economics of Operations Management

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Kenan Arifoglu, UCL, London, United Kingdom, k.arifoglu@ucl.ac.uk

1 - Money-back Guarantees When Physical And On-line Retailers Compete
Hang Ren, University College London, hang.ren.13@ucl.ac.uk
Tingliang Huang, Ying-Ju Chen, Christopher S Tang

2 - Licensing Contracts In Conspicuous Markets
Prateek Raj, University College London, p.raj.12@ucl.ac.uk, Kenan Arifoglu

3 - Selling New Products Through Consumer Learning
Yufei Huang, University of Bath, y.huang@bath.ac.uk, Bilal Gokpinar, Christopher S. Tang, Onesun Steve Yoo

4 - Is Reshoring Better Than Offshoring Under Offshore Supply Dependence?
Hu Bin, University of North Carolina, Chapel Hill, NC, United States, bin_hu@unc.edu, Li Chen

■ SD37

205C-MCC

Value Chain Transformations for Sustainability

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Dan Andrei Iancu, Stanford University, 655 Knight Way, Stanford, CA, 94305, United States, daniancu@stanford.edu

Co-Chair: Joann de Zegher, Stanford University, Y2E2 Suite 226, Stanford, CA, 94305, United States, jfdezegher@stanford.edu

1 - Retail Clusters In Developing Countries
Xuying Zhao, University of Notre Dame, Xuying.Zhao.29@nd.edu, Hong Guo, Chao Ding, Jing-Sheng Jeannette Song

2 - Achieving Sustainability Commitments In Commodity Supply Chains
Joann Francoise de Zegher, Stanford University, Stanford, CA, United States, jfdezegher@stanford.edu, Hau Leung Lee, Dan Andrei Iancu, Erica Plambeck

3 - Effective Medical Surplus Recovery
Can Zhang, Georgia Institute of Technology, Atlanta, GA, 30309, United States, czhang2012@gatech.edu, Atalay Atasu, Beril L Toktay, Wee Meng Yeo

■ SD38

206A-MCC

Innovation and Entrepreneurship

Invited: New Product Development

Invited Session

Chair: Raul Chao, University of Virginia, UVA, Charlottesville, VA, United States, ChaoR@darden.virginia.edu

1 - Risk Aversion And Joint Problem Solving: Experimental Evidence
Marc Christiaan Jansen, Cambridge Judge Business School, Downing College, Regent Street, Cambridge, CB2 1DQ, United Kingdom, mcj32@cam.ac.uk, Nektarios Oraiopoulos, Niyazi Taneri

2 - Strategic Positioning In Global Entrepreneurship Ecosystems
Hyunwoo Park, Postdoctoral Fellow, Georgia Institute of Technology, Atlanta, GA, 30332, United States, hwpark@gatech.edu, Rahul C Basole, Raul Chao

3 - Won't Leave You At The Altar: Designing Alternative Mechanisms For Startup Supply Chain Development
Emre Guzelsu, Boston University, bguzelsu@bu.edu
Brad Lee, Nitin Joglekar

4 - Optimal Supplier Allocation In Collaborative Product Development With Competing Internal Teams
Svenja Sommer, HEC Paris, 1, Rue de la Liberation, Jouy-en-Josas, France, sommers@hec.fr, Timofey Shalpegin, Christian Van Delft

■ SD39

207A-MCC

Queueing Systems and Approximations

Sponsored: Applied Probability

Sponsored Session

Chair: John Hasenbein, University of Texas-Austin, Austin, TX, United States, jhas@mail.utexas.edu

1 - Optimal Routing To Remote Queues
Yunan Liu, NC State University, Raleigh, NC, United States, yliu48@ncsu.edu, Shucangchi He, Yao Yu

2 - Complete Resource Pooling In Open Shop Networks
Shuangchi He, National University of Singapore, Singapore, heshuangchi@nus.edu.sg, Gideon Weiss, Hanqin Zhang

3 - Stein Method And Moderate Deviations For Steady-state Diffusion Approximations
Jim Dai, Cornell University, jd694@cornell.edu, Fang Xiao

4 - Optimal Service Rate And Admission Control For A Queue
Levent Kocaga, Yeshiva University, kocaga@yu.edu

■ SD41

207C-MCC

Financial Engineering and Risk Management

Sponsored: Financial Services

Sponsored Session

Chair: Ning Cai, Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong, China, ningcai@ust.hk

Co-Chair: Yingda Song, University of Science and Technology of China, Jinzhai Road, Hefei, 230026, China, songyd@ustc.edu.cn

1 - Simulating Risk Measures
Steven Kou, National University of Singapore, matsteve@nus.edu.sg

2 - Valuation Of Path-dependent Equity And Credit Derivatives
Ning Cai, Hong Kong University of Science & Technology, ningcai@ust.hk

3 - A Unified Framework For Options Pricing Under Regime Switching Models
Yingda Song, University of Science and Technology of China, Hefei, China, songyd@ustc.edu.cn

■ SD42

207D-MCC

The OTC Derivatives Market Reform and the Subsequent Interplay betwen Banks and CCPs

Sponsored: Financial Services

Sponsored Session

Chair: Ghamami Samim, Federal Reserve Board, 20th St and Constitution Ave NW, Washington, DC, 20551, United States, samim.ghamami@frb.gov

Co-Chair: Samim Ghamami, Federal Reserve Board, 20th Street and Constitution Ave NW, Washington, DC, 20551, United States, samim.ghamami@frb.gov

■ SD43

208A-MCC

Values and Decision-Making

Sponsored: Decision Analysis

Sponsored Session

Chair: Johannes Siebert, University of Bayreuth, Universitätsstr. 30, Bayreuth, 95440, Germany, Johannes.Siebert@uni-bayreuth.de

1 - Identifying, Structuring, And Using Personal Strategic Life Objectives
Ralph L. Keeney, Duke University, San Francisco, CA, United States, keeneyr@aol.com

2 - Identifying, Structuring, And Comparing Objectives Of Terrorists
Detlof von Winterfeldt, Center for Risk and Economic Analysis of Terrorism Events (CREATE), University of Southern California, Los Angeles, CA, CA 90089, United States, winterfe@usc.edu
Johannes Siebert, Richard S John, Gregory Keeney, Heather Rosoff

3 - Enhancing Life Satisfaction By Improving Proactive Cognitve Skills
Johannes Siebert, University of Bayreuth, Johannes.Siebert@uni-bayreuth.de, Reinhard Kunz

■ SD44

208B-MCC

Robust Decision Analysis

Sponsored: Decision Analysis

Sponsored Session

Chair: Erin Baker, Univ of Massachusetts-Amherst, Amherst, MA, United States, edbaker@ecs.umass.edu

1 - Robust Sensitivity Analysis In Climate Change Modelling
Emanuele Borgonovo, Bocconi University, emanuele.borgonovo@unibocconi.it, Max D. Morris, Elmar Plischke

2 - Climate Informed Decision Analysis: Do We Need Probabilities?
Casey Brown, University of Massachusetts, Amherst, casey@engin.umass.edu

4 - Finding Common Ground When Experts Disagree: Robust Portfolio Decision Analysis
Erin Baker, Univ. of Massachusetts - Amherst, edbaker@ecs.umass.edu, Valentina Bosetti, Ahti Salo

■ SD45

209A-MCC

Quantitative Methods in Risk Management

Invited: Risk and Compliance

Invited Session

Chair: Agostino Capponi, Columbia University, 500 West 120th Street, New York, NY, 10027, United States, ac3827@columbia.edu

1 - Managing Systemic Risk In Inhomogeneous Financial Networks
Nils Detering, University of California Santa Barbara, Santa Barbara, CA, 93106, United States, detering@pstat.ucsb.edu, Thilo Meyer-Brandis, Konstantinos Panagiotou, Daniel Ritter

2 - Information Relaxation Bounds And The Dynamic Assortment Problem
David Brown, Duke University, dbbrown@duke.edu, Jim Smith

3 - Path-dependent And Randomized Strategies In Barberis' Casino Gambling Model
Xunyu Zhou, Columbia University, Manhattan, New York City, NY, United States, xz2574@columbia.edu

4 - Optimal Exit Time From Casino Gambling: Strategies Of Pre-committed And Naive Gamblers
Xuedong He, Chinese University of Hong Kong, xdhe@se.cuhk.edu.hk

■ SD46

209B-MCC

Revenue Management: From Theory to Practice

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Georgia Perakis, Massachusetts Institute of Technology, Cambridge, MA, United States, georgiap@mit.edu

1 - The Role Of Vendor Funds In Promotion Planning
Lennart Baardman, MIT, Cambridge, MA, United States, Georgia Perakis, Kiran Venkata Panchamgam

2 - Revenue Management For The Shipping Industry Under Limited Foresight
Max Biggs, Massachusetts Institute of Technology, Cambridge, MA, United States, maxbiggs@mit.edu, Georgia Perakis

3 - Submodular Batch Scheduling
Daniel Chen, MIT, Cambridge, MA, United States, dcchen@mit.edu, Retsef Levi, Georgia Perakis

4 - The Periodic Joint Replenishment Problem Is Strongly NP-hard
Tamar Cohen, MIT, tcohen@mit.edu, Liron Yedidsion

■ SD47

209C-MCC

Online Learning and Revenue Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Maxime Cohen, Google Research, Google, New York, NY, 10012, United States, maxccohen@google.com

Co-Chair: Ilan Lobel, New York University, New York, NY, United States, ilobel@stern.nyu.edu

1 - Dynamic Pricing And Learning With Online Retail Rankings
N. Bora Keskin, Duke University, Durham, NC, United States, bora.keskin@duke.edu, Arnoud V. den Boer

2 - Dynamic Pricing With Demand Covariates
Sheng Qiang, Stanford University, sqiang@stanford.edu, Mohsen Bayati

3 - Optimistic Gittins Indices
Vivek Farias, MIT, vivekf@mit.edu, Eli Gutin

4 - Feature-based Dynamic Pricing
Ilan Lobel, NYU Stern, New York, NY, 10012, United States, ilobel@stern.nyu.edu, Maxime Cohen, Renato Paes Leme

■ SD48

210-MCC

Social Media Analytics for Competitive Advantage

Invited: Social Media Analytics

Invited Session

Chair: Vilma Todri, New York University, New York, NY, 11111, United States, vtodri@stern.nyu.edu

1 - Social Influence And Changing Circumstances In The Creation, Maintenance, And Disruption Of Habits In Global Health Behavior
Christos Nicolaides, Massachusetts Institute of Technology, chrisnic@mit.edu

2 - Location-based Advertising And Contextual Mobile Targeting
Dominik Molitor, New York University, dmolitor@stern.nyu.edu

3 - The Effect Of Referral Source On News Article Readership And Sharing Patterns
Sagit Bar-Gill, Massachusetts Institute of Technology, Cambridge, MA, United States, sbargill@mit.edu, Shachar Reichman, Xitong Li

4 - Trade-offs In Digital Advertising: Modeling And Measuring Advertising Effectiveness And Annoyance Dynamics
Vilma Todri, New York University, vtodri@stern.nyu.edu
Anindya Ghose, Param Vir Singh

■ SD49

211-MCC

Text Analysis within Social Media

Invited: Social Media Analytics

Invited Session

Chair: Fay Cobb Payton, North Carolina State University, Campus Box 7229, Raleigh, NC, 27695, United States, fay_payton@ncsu.edu

1 - Text Analytics - The Power Of Storytelling
FayCobb Payton, Professor, Information Systems, NCSU, fay_payton@ncsu.edu

2 - Unlocking Your 80%: Unearthing New Insights With Text Analytics
Christina Engelhardt, SAS Institute, Christina.Engelhardt@sas.com

3 - Hierarchical Machine Learning Approach To Detecting Anomalous Behavior In Online Social Media Forums
Naveen Kumar, University of Memphis, Memphis, TN, 38152, United States, nkumar7@memphis.edu, Deepak Venugopal, Robin Poston

■ SD50

212-MCC

Dr. William Massey: A Dynamic Legacy

Sponsored: Minority Issues

Sponsored Session

Chair: Jamol Pender, Cornell University, 206 Rhodes Hall, Ithaca, NY, 14853-3801, United States, jamol.pender@gmail.com

1 - Dynamic Rate Queues
Jamol Pender, Cornell University, jamol.pender@gmail.com

2 - Dr. William Massey: A Dynamic Legacy
Robert Hampshire, University of Michigan, hamp@umich.edu

3 - The Dynamics 0f Queueing Transience With Dynamic Rates
William A Massey, Professor, Princeton University, ORFE Department, Sherrerd Hall, Princeton University, Princeton, NJ, 08544, United States, wmassey@princeton.edu

■ SD51

213-MCC

Decision-making Models for Public Health Systems

Sponsored: Public Sector OR

Sponsored Session

Chair: Chaitra Gopalappa, University of Massachusetts - Amherst, 120D Marston Hall, 160 Governors Drive, Amherst, MA, 01003, United States, chaitrag@umass.edu

1 - Estimating Disease Burden Of A Potential H7N9 Pandemic Influenza Outbreak In The United States
Walter Silva Sotillo, USF, silvasotillo@mail.usf.edu

2 - Using The HIV Optimization And Prevention Economics (HOPE) Model For Evaluating HIV Interventions In The United States
Emine Yaylali, Centers for Disease Control and Prevention, wqq3@cdc.gov, Paul Farnham, Stephanie Sansom, Katherine A. Hicks, Amanda Honeycutt, Emily Tucker

3 - Access-to-Medicines (ATM) Vaccine Supply Chain Design: Astakeholder Framework
Nico Vandaele, KU Leuven, Naamsestraat 69, Leuven, 3000, Belgium, nico.vandaele@kuleuven.be
Catherine Jenny Decouttere, Mauro Bernuzzi, Stef Lemmens

4 - A Methodology For Parameterization Of State-transitions For Cancer Progression In Populations With Limited Longitudinal Cancer Database
Chaitra Gopalappa, University of Massachusetts, Amherst, chaitrag@umass.edu, Carel Pretorius, Jeremy Lauer

■ SD52

214-MCC

Public Sector OR Problems with Geographic Considerations

Sponsored: Public Sector OR

Sponsored Session

Chair: Ronald G McGarvey, University of Missouri, E3437D Lafferre Hall, Columbia, MO, 65211, United States, mcgarveyr@missouri.edu

1 - Dynamic Decision Modeling For Inland Waterway Disruptions
Rachel Holmer, University of Arkansas, reholmer@email.uark.edu, Hueon Lee, Mahboubeh Madadi, Shengfan Zhang, Heather Nachtmann

2 - Identifying Optimal Multi-state Collaborations For Reducing Co2 Emissions By Co-firing Biomass In Coal-burning Power Plants
Bayram Dundar, University of Missouri, Columbia, MO, 65201-3738, United States, Bd5zc@mail.missouri.edu
Ronald McGarvey, Francisco X Aguilar

3 - Estimates Of Successful Illegal Entry Across The U.S. Southwest Land Border
Brian Rieksts, Institute for Defense Analyses, brieksts@ida.org

4 - A Robust Optimization Evaluation Of The Potential For Reliance On Locally-produced Foods
Ronald G. McGarvey, University of Missouri, Columbia, MO, United States, mcgarveyr@missouri.edu, Bayram Dundar, Christine Costello

■ SD53

Music Row 1- Omni

Organizational Innovation

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Chair: Sinan Erzurumlu, Babson College, 231 Forest St, Brookline, MA, 02457, United States, serzurumlu@babson.edu

1 - Business Start-up Operations
Nitin Joglekar, Boston University School of Management, joglekar@bu.edu

2 - Communication, Incentives, And The Execution Of A Strategic Initiative
Jeremy Hutchison-Krupat, University of Virginia, krupatj@darden.virginia.edu

3 - Relationship-specific Agreements Between The Service Provider And The Firm In The Gig Economy
Sinan Erzurumlu, Babson College, serzurumlu@babson.edu
Jonathan Sims

■ SD54

Music Row 2- Omni

Simulation of Healthcare Service Systems

Sponsored: Service Science

Sponsored Session

Chair: Wai Kin Chan, Rensselaer Polytechnic Institute, 110 8th St., CII 5015, ISE Dept., RPI, Troy, NY, 12180, United States, chanw@rpi.edu

1 - Optimizing Hospital Service Levels Via Resource Allocation
Weiwei Chen, Assistant Professor, Rutgers University, 1 Washington Park, Newark, NJ, 07901, United States, wchen@business.rutgers.edu, Siyang Gao, Hainan Guo

2 - Simulation Of Infectious Disease Propagation
Susan M Sanchez, Professor, Naval Postgraduate School, Monterey, CA, 93950, United States, ssanchez@nps.edu, Paul J. Sanchez

3 - Association Between Staff Behavior And Patient Experience Of Care In Acute-care Hospitals
Eduardo Perez, Assistant Professor, Texas State University, San Marcos, TX, United States, eduardopr@txstate.edu
David P. Dzubay, Anthony Stahl

4 - Simulating The Size Distribution Of Hospital Service Systems
Wai Kin Chan, Rensselaer Polytechnic Institute, chanw@rpi.edu, Baojun Gao, Nancy Deng

■ SD55

Music Row 3- Omni

Modeling and Simulation of Education as a Complex System

Sponsored: Service Science

Sponsored Session

Chair: Maryam Alsadat Andalib, PhD Student, Virginia Tech, 1185 Perry Street, 536F Whittemore Hall, Blacksburg, VA, 24061, United States, maryam7@vt.edu

1 - Cross-sectional Surveys: Inferring Total Time In State Using Only Elapsed Time-to-date
Richard C Larson, Massachusetts Institute of Technology, rclarson@mit.edu

2 - Exploring The United States Behavioral And Social Science Research (BSSR) Workforce Through Dynamic Modeling
Julie Maurer, Ohio State University, maurer.99@osu.edu

3 - Different Modes Of Scientific Progress In HIV/AIDS
Arash Baghaei Lakeh, Virginia Tech, arashb@vt.edu
Navid Ghaffarzadegan

4 - Modeling And Analysis Of The Leaking Pipeline: Diversity In The United States Higher Education
Maryam Alsadat Andalib, Virginia Tech, Blacksburg, VA, United States, maryam7@vt.edu, Navid Ghaffarzadegan

■ SD56

Music Row 4- Omni

Health & IT

Sponsored: EBusiness

Sponsored Session

Chair: Laura Brandimarte, University of Arizona, Tucson, AZ, United States, lbrandimarte@email.arizona.edu

1 - There's An App For That: Addressing The Handoff Problem In Healthcare Using Mobile
Idris Adjerid, Notre Dame University, iadjerid@nd.edu
Corey M Angst, Ralph Gross

2 - CPOE Adoption Impacts On Medicare Reimbursements
Hilal Atasoy, Temple University, hilal.atasoy@temple.edu

3 - Not What The Doctor Ordered: Physician Mobility And Technology Adoption
Brad N Greenwood, Temple University, brad.n.greenwood@gmail.com, Corey M Angst, Kartik Krishna Ganju

4 - Detecting Anomalous Patterns Of Care Using Health Insurance Claims
Sriram Somanchi, University of Notre Dame, 344 Mendoza College of Business, Notre Dame, IN, 46556, United States, somanchi.1@nd.edu, Edward McFowland

■ SD57

Music Row 5- Omni

Joint Session BOM/RMP: Consumer Behavior in Pricing and Loyalty

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Anton Ovchinnikov, Queen's School of Business, Kingston, ON, Canada, ao37@queensu.ca

1 - Impact Of Tiered Incentives On Behavior: Case Of The Airline Loyalty Programs
Tong Guo, University of Michigan, Stephen M Ross School of Business, 701 Tappan Street, Ann Arbor, MI, 48109, United States, tongguo@umich.edu, A. Yesim Orhun

2 - Stockpile Or Redeem: How Do Consumers Value Loyalty Program Points
So Yeon Chun, McDonough School of Business, Georgetown University, sc1286@georgetown.edu, Rebecca Hamilton

3 - Which Customers Are More Valuable In A Dynamic Pricing Situation?
Jue Wang, Queen's School of Business, Kingston, ON, Canada, jw171@queensu.ca, A. Yesim Orhun, Anton Ovchinnikov

4 - Strategic Consumers, Revenue Management And The Design Of Loyalty Programs
Anton Ovchinnikov, Queen's School of Business, ao37@queensu.ca, So Yeon Chun

■ SD58

Music Row 6- Omni

Energy IV

Contributed Session

Chair: Byungkwon Park, Ph.D student, University of Wisconsin - Madison, 202 N Eau Claire Avenue, # 314, Madison, WI, 53705, United States, bpark52@wisc.edu

1 - Two-stage Multi-agent Stochastic Optimization In Power Systems
Shasha Wang, Clemson University, 107 Wyeth LN, Central, SC, 29630, United States, shashaw@g.clemson.edu
Harsha Gangammanavar, Sandra D Eksioglu, Scott J. Mason

2 - Analysis Of Co2 Emission Performance And Abatement Potential For Municipal Industrial Sectors In Jiangsu, China
Jie Zhang, Hohai University, Nanjing, China, zhangjie_jie@126.com, Jigan Wang, Zhencheng Xing

3 - Production Intermittence In Spot Electricity Markets
Olivier Massol, IFP School, 228-232 Avenue Napoleon Bonaparte, Rueil-Malmaison, 92852, France, olivier.massol@ifpen.fr, Albert Banal-Estanol, Augusto Ruperez-Micola

4 - A Sparse Tableau Analysis Formulation For The Security-constrained Optimal Power Flow
Byungkwon Park, PhD Student, University of Wisconsin-Madison, 202 N Eau Claire Avenue, # 314, Madison, WI, 53705, United States, bpark52@wisc.edu, Christopher DeMarco

■ SD59

Cumberland 1- Omni

Advances in Transportation Modeling

Sponsored: Transportation Science & Logistics

Sponsored Session

Chair: Tarun Rambha, University of Texas, Austin, TX, United States, tarun.1988@utexas.edu

1 - Throughput Analysis For Horizontal Traffic Queues under Safety Constraints
Mohammad Motie, University of Southern California, 1119 W 29th Street, Apt 7, Los Angeles, CA, 90007, United States, motiesha@usc.edu

2 - Lost Demand And Redistribution In Bike Sharing Systems
Konstantina Mellou, Massachusetts Institute of Technology, Cambridge, MA, United States, kmellou@mit.edu, Patrick Jaillet

3 - A Destination-based Algorithm For User Equilibrium With Recourse Using Split Proportions
Tarun Rambha, University of Texas, Austin, TX, 6, United States, tarun.1988@utexas.edu, Stephen Boyles, Avinash Unnikrishnan

4 - Optimal Patrol Planning For Urban Parking Enforcement Considering Driver's Parking Behavior
Chao Lei, University of Illinois at Urbana–Champaign, 2063 S. Orchard St. Apt A, Urbana, IL, 61801, United States, lei8785@gmail.com

■ SD60

Cumberland 2- Omni

Emerging Data Analytics in Transportation Modeling

Sponsored: TSL, Urban Transportation

Sponsored Session

Chair: Xian-Biao Hu, Metropia, 1790 E. River Rd., Suite 140, Tucson, AZ, 85718, United States, xb.hu@metropia.com

1 - Contextual Driving Risks Analysis Using Individualized Dynamic Smartphone
Xian-Biao Hu, Metropia Inc., xb.hu@metropia.com

2 - Put Bluetooth Data In A Good Use: A Case Study In Tucson, Arizona
Shu Yang, University of Arizona, shuyang@email.arizona.edu
Yao-Jan Wu

3 - Developing A Simulation Model Of A Tram Network By Using Historical RFID Data
Yong-Hong Kuo, The Chinese University of Hong Kong, Hong Kong, Hong Kong, yhkuo@cuhk.edu.hk, Janny M. Y. Leung, David S.W. Lai, Henry K.F. Cheung, Joshua Hiew

4 - Accident Impacts on Traffic Mobility In Concern Of Network Features
Chenshuo Sun, Tsinghua University, Haidian District, Beijing, 100084, China, scs14@mails.tsinghua.edu.cn

■ SD61

Cumberland 3- Omni

RAS Problem Solving Competition

Sponsored: Railway Applications

Sponsored Session

Chair: Lingyun Meng, Beijing Jiaotong University, menglingyun2001@hotmail.com

Problem Solving Competition

■ SD62

Cumberland 4- Omni

Aviation Applications Section: Awards Finalists

Sponsored: Aviation Applications

Sponsored Session

Chair: Senay Solak, University of Massachusetts Amherst, 121 Presidents Drive, Isenberg 318, Amherst, MA, 01003, United States, solak2@isenberg.umass.edu

1 - Metaheuristics For Efficient Aircraft Scheduling And Re-routing at Busy Terminal Control Areas
Marcella Sama, Roma Tre University, Rome, Italy, sama@ing.uniroma3.it

2 - Customized Offers In Airline Revenue Management
Michael Witmann, Massachusetts Institute of Technology, Cambridge, MA, United States, wittman@mit.edu

3 - Optimization Models For Speed Control In Air Traffic Management
James Jones, University of Maryland, College Park, MD, United States, jonesjc1@umd.edu

4 - Modeling In Air Transportation: Cargo Loading And Itinerary Choice
Virginie Lurkin, University of Liege, Liege, Belgium, vlurkin@ulg.ac.be

■ SD63

Cumberland 5- Omni

Dynamic Routing and Logistics

Sponsored: TSL, Freight Transportation & Logistics

Sponsored Session

Chair: Nicholas Kullman, University of Washington, Seattle, WA, United States, Nick.Kullman@gmail.com

1 - Dynamic Pickup And Delivery Problem With Transfers
Afonso H. Sampaio, Eindhoven University of Technology, Eindhoven, Netherlands, A.H.Sampaio.Oliveira@tue.nl, Lucas Petrus Veelenturf, Tom Van Woensel

2 - Anticipatory Preemptive Depot Revisits For A Dynamic Same-day Delivery Problem
Dirk Mattfeld, TU Braunschweig, Braunschweig, Germany, d.mattfeld@tu-bs.de, Marlin Wolf Ulmer, Barrett Thomas

3 - Electric Vehicle Routing With Mid-route Recharging And Uncertain Charging Station Availability
Nicholas Kullman, University of Washington, nkullman@uw.edu Justin Goodson, Jorge E Mendoza

4 - Joint Capacity Logistics And Inventory Control Of Mobile Modular Production Systems
Satya Sarvani Malladi, Georgia Institute of Technology, mss@gatech.edu, Alan Erera, Chelsea C White III

■ SD64

Cumberland 6- Omni

Evolutionary Bilevel Multi-criterion Optimization Methods and Applications

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Kalyanmoy Deb, Professor, Michigan State University, 428 S. Shaw Lane, 2120 EB, Michigan State University, East Lansing, MI, 48824, United States, kdeb@egr.msu.edu

1 - Impacts Of Climate Uncertainty On A Bilevel Optimization Framework For Targeting Agricultural Conservation Policy
Moriah Bostian, Lewis and Clark College, mbbostian@lclark.edu

2 - Solving Optimistic Bilevel Programs By Iteratively Approximating Lower Level Optimal Value Function
Pekka Malo, Aalto University School of Buisness, pekka.malo@aalto.fi, Kalyanmoy Deb, Ankur Sinha

3 - Optimal Allocation Of Restoration Practices Using Indexes For Stream Health
Brad Barnhart, U.S. EPA ORD/NHEERL/WED/EEB, bradleybarnhart@gmail.com

4 - Robust And Reliability-based Bi-level Multi-criterion Optimization
Zhichao Lu, Michigan State University, mikelzc1990@gmail.com

■ SD65

Mockingbird 1- Omni

Analytical Models

Sponsored: Information Systems

Sponsored Session

Chair: Zhe Zhang, University of Texas Dallas, University of Texas Dallas, Richardson, TX, 75080, United States, zxz145430@utdallas.edu

1 - Altruism or Shrewd Business? Implications Of Technology Openness on Platform Innovations And Competition
Hongyan Xu, Chongqing University, School of Economics & Business Admin, Chongqing, 400030, China, xuhongyan@cqu.edu.cn, He Huang, Geoffrey Parker, Yinliang Tan

2 - Share Your Health Information And Help Me Save Your Life: Effects Of Hie Use On Healthcare Outcomes – An Empirical Investigation
Emre Demirezen, School of Management, Binghamton University, Binghamton, NY, United States, edemirezen@binghamton.edu Eunho Park, Ramkumar Janakiraman, Subodha Kumar

3 - Platform Integration In The Age Of The Internet Of Things
Burcu Tan, Tulane University, btan@tulane.edu, Edward G Anderson, Geoffrey Parker

4 - Interoperability, Organization Form And Cooperative Games In Public Safety Networks
Barrie R Nault, University of Calgary, nault@ucalgary.ca Hong Guo, Yipeng Liu

■ SD66

Mockingbird 2- Omni

2016 QSR Best Student Paper Competition

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Chiwoo Park, chiwoo.park@eng.fsu.edu

1 - 2016 QSR Best Student Paper Competition
Chiwoo Park, Florida State University, chiwoo.park@eng.fsu.edu

■ SD67

Mockingbird 3- Omni

Foundations of Accuracy for Additive Manufacturing

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Qiang Huang, University of Southern California, Los Angeles, CA, United States, qiang.huang@usc.edu

Co-Chair: Arman Sabbaghi, Purdue University, West Lafayette, IN, United States, sabbaghi@purdue.edu

1 - Deformation Model Transfer Via Equivalent Effects Of Lurking Variables In Additive Manufacturing
Arman Sabbaghi, Assistant Professor, Purdue University, 150 N. University Street, West Lafayette, IN, 47907, United States, sabbaghi@purdue.edu, Qiang Huang

2 - Implications Of Assuming Incorrect Model Equivalence For Additive Manufacturing
Matthew Plumlee, University of Michigan, mplumlee@umich.edu

3 - Prescriptive Analytics For Understanding Of Out-of-plane Deformation In Additive Manufacturing
Yuan Jin, University of Southern California, Los Angeles, CA, 90089, United States, yuanjin@usc.edu, Joe Qin, Qiang Huang

4 - Shape Deviation Modeling For Additive Manufacturing With Different Process Parameters
Longwei Cheng, HKUST, lchengae@connect.ust.hk

■ SD68

Mockingbird 4- Omni

Process Monitoring, Diagnosis, and Prognosis in Complex Systems

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Qiang Zhou, City University, 1, Kowloon, 1, Hong Kong, q.zhou@cityu.edu.hk

Co-Chair: Li Zeng, Texas A&M University, College Station, TX, United States, lizeng@tamu.edu

1 - High Dimensional Process Monitoring Using Sparse Principal Component Analysis
Mohammad Nabhan, Georgia Institute of Technology, nabhan@gatech.edu, Jianjun Shi

2 - Monitoring Low-e Glass Manufacturing Using Optical Profiles
Qian Wu, Texas A&M University, College Station, TX, 77840, United States, hi_qianwu@tamu.edu, Li Zeng

3 - Remaining Useful Life Prediction In Populations With Heterogeneity
Raed Kontar, University of Wisconsin - Madison, Madison, WI, United States, alkontar@wisc.edu

4 - Statistical Monitoring And Fault Diagnosis Of Vibration Signal Based On Wavelet Transform
Wei Fan, City University of Hong Kong, Kowloon, Hong Kong, weifan8-c@my.cityu.edu.hk, Qiang Zhou

■ SD69

Old Hickory- Omni

Pierskalla II

Award Session

Chair: Baris Ata, University of Chicago, Booth School of Business

Co-Chair: Anton Skaro, Northwestern University, Feinberg School of Medicine

Co-Chair: Sridhar Tayur, Carnegie Mellon University, Tepper School of Business

1-Pierskalla Award
Vikram Tiwari, Vanderbilt University Medical Center, Nashville, TN, Contact: vikram.tiwari@vanderbilt.edu

■ SD70

Acoustic- Omni

Transportation, General

Contributed Session

1 - Solving The Privately Owned Automated Vehicles Assignment Problem
Theresia van Essen, Delft University of Technology, Mekelweg 4, Delft, 2628 CD, Netherlands, j.t.vanessen@tudelft.nl, Gonçalo Correia

2 - Coordinated Airport Facility Development Under Uncertainty
Yanshuo Sun, University of Maryland, 1173 Glenn Martin Hall, College Park, MD, 20742, United States, yssun@umd.edu, Paul Schonfeld

3 - From Trend Spotting To Trend Setting: Modeling The Impact Of Major Technological And Infrastructural Changes On Travel Demand
Feras El Zarwi, PhD Candidate, University of California at Berkeley, 2100 Channing Way, Apt 415, Berkeley, CA, 94704, United States, feraselzarwi@gmail.com

4 - Using Regression Tree Models To Improve Freeway Incident Duration Prediction A Comprehensive Case Study In Maryland Region
Xuechi Zhang, Graduate Research Assistant, University of Maryland, 0147C Engineering Lab Building, College Park, MD, 20740, United States, zhangxc90@gmail.com, Ali Haghani, Yeming Hao

■ SD71

Electric- Omni

Transportation, Rail

Contributed Session

Chair: Emmanuel Martey, University of Delaware, 302 DuPont Hall, Newark, DE, 19716, United States, enmartey@udel.edu

1 - Optimization Techniques For Railways
Srinivasa Prasanna, Professor, IIIT-Bangalore, 26/C, Hosur Road, Electronics City, Opposite Infosys Technologies, Bangalore, 560100, India, gnsprasanna@iiitb.ac.in"

2 - Railway Capacity Analysis And Cyclic, Combined Train Timetabling And Platforming For A Single Track, Bidirectional Railway Line
Matthew Petering, University of Wisconsin-Milwaukee, Industrial and Manufacturing Engineering Dept, Ems E367, Milwaukee, WI, 53201, United States, mattpete@uwm.edu, Mojtaba Heydar

3 - A MIP Model For High-speed Train Platforming Problem With Route Conflicts Constraints
Gongyuan Lu, Assistant Professor, Southwest Jiaotong University, 111#, 1st Section, Northern 2nd Ring Road, School of Transportation and Logistics, Chengdu, China, lugongyuan@swjtu.cn, Guangyuan Zhang, Yuan Wang

4 - Predicting Cascading Effects Of Local Disruptions In A Large Scale Rail Network
Patrick Briest, McKinsey & Co, Kennedydamm 24, Dusseldorf, 40027, Germany, patrick_briest@mckinsey.com, Sebastian Albert, Robin Blöhm, Florian Brummer, Christian Gruß, Eike-Dennis Rausch

5 - Probability Analysis Of The Severity Of Train Derailments Using Copula Models
Emmanuel Martey, University of Delaware, 302 DuPont Hall, Newark, DE, 19716, United States, enmartey@udel.edu, Nii Attoh-Okine

■ SD72

Bass- Omni

Supply Chain Mgt IV

Contributed Session

Chair: Shabnam Rezapour, University of Oklahoma, 2248 Houston Ave. apt 2, Norman, OK, 73071, United States, shabnam_rezapoor@yahoo.com

1 - Upstream Supplier And Downstream Customer Networks: An Empirical Investigation
Marcus A Bellamy, Boston University, Rafik B. Hariri Building, 595 Commonwealth Avenue, Boston, MA, 02215, United States, bellamym@bu.edu, Soumen Ghosh, Manpreet Singh Hora

2 - Capacity Expansion Under Demand Uncertainty With Uncertain Probabilities
Heejung Kim, University of California- Berkeley, Berkeley, CA, 94720-1777, United States, kimheejung@berkeley.edu, Philip Kaminsky

3 - Supply Chain Partner Environmental Health And Firm Performance
Marcus A Bellamy, Assistant Professor, Boston University, Rafik B. Hariri Building, 595 Commonwealth Avenue, Boston, MA, 02215, United States, bellamym@bu.edu

4 - Component Procurement And End Product Assembly In An Uncertain Supply And Demand Environment
Ramesh Bollapragada, San Francisco State University, School of Business, 1600 Holloway Avenue, San Francisco, CA, 94132, United States, rameshb@sfsu.edu, Saravanan Kuppusamy, Uday S Rao

5 - Correlation Between Supply Networks' Strategic And Operational Risk Mitigation Strategies
Shabnam Rezapour, University of Oklahoma, 2248 Houston Ave. apt 2, Norman, OK, 73071, United States, shabnam_rezapoor@yahoo.com, Janet K. Allen, Farrokh Mistree

■ SD79

Legends G- Omni

Health Care, Modeling IV

Contributed Session

Chair: Utpal Kumar Bhattacharya, Associate Professor, Indian Institute of Management Indore, Pitampur Road, Prabandh Sikhar, Indore, 453556, India, utpalb@iimidr.ac.in

1 - Optimal Radiotherapy Treatment Policy Based On Tumor Biological Response: A Partially Observable Markov Decision Process Framework
Nasrin Nouri, PhD Student, University of Houston, 9701 Meyer Forest Dr., Apt 6207, Houston, TX, 77096, United States, nouri.nasrin@gmail.com

2 - Reserving Walk-in Times In Primary Care
Brigitte Werners, Professor, Ruhr-University Bochum, Fac. Management and Economics, Bochum, 44780, Germany, or@rub.de

3 - Econometric Model Of Critical Care Outreach Team And Intensive Care Unit
Ali Haji Vahabzadeh, The University of Auckland Business School, Private Bag 92019, Auckland, 1142, New Zealand, a.vahabzadeh@auckland.ac.nz, Valery Pavlov

■ SD86

Gibson Board Room-Omni

Manufacturing IV

Contributed Session

Chair: Ali AlArjani, PhD Candidate, University of Wisconsin - Milwaukee, 4848 N. Lydell Ave, Apt 141, Milwaukee, WI, 53217, United States, alarjan2@uwm.edu

1 - Setting Optimal Planned Leadtimes In A Configure To Order Manufacturing System
Sjors Jansen, PhD Candidate, Eindhoven University of Technology (TU/e), P.O. Box 513, Paviljoen E13, Eindhoven, 5600MB, Netherlands, s.w.f.jansen@tue.nl, Zumbul Atan, Ton de Kok, Ivo Adan

2 - Introduction Of A Motor Assembly Test Bed To Verify Manufacturing Technology
Jungryul Bae, Korea Institute of Industrial Technology (KITECH), Seoul, Korea, Republic of, somanythat@naver.com, SeHwan Ahn, YongJu Cho, Chul Kim, Hyunchul Tae

3 - Modeling The Impact Of Product Variety On Inventory: Application To Strategic Assembly Sequencing And Supply Chain Design
Jeonghan Ko, University of Michigan; Ajou University, 1205 Beal Ave., Industrial & Operations Engineering, Ann Arbor, MI, 4810, United States, jeonghan@umich.edu, Heng Kuang

4 - Finite Capacity Material Requirement Planning System For Supply Chain Network
Benyaphorn Paopongchuang, Sirindhorn International Institute of Technology, Pathum Thani, 12121, Thailand, bp322@njit.edu Benyaphorn Paopongchuang, New Jersey Institute of Technology, Newark, NJ, 07102, United States, bp322@njit.edu, Pisal Yenradee

5 - Similarity Coefficient Model For Solving an Oil Global Facility Location Problem
Ali AlArjani, PhD Candidate, University of Wisconsin - Milwaukee, 4848 N lydell Ave, Milwaukee, WI, 53217, United States, alarjan2@uwm.edu

■ SD91

Davidson Ballroom A-MCC

Joint Session HAS/MSOM-HC: Statistical Decision-Making with Applications in Healthcare

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Mohsen Bayati, Stanford University, Stanford, CA, United States, bayati@stanford.edu

Co-Chair: Hamsa Bastani, Stanford University, 10 Comstock Circle, Apt 304, Stanford, CA, 94305, United States, hsridhar@stanford.edu

1 - Approximation Methods For Adaptive Clinical Trial Design
John R Birge, University of Chicago, John.Birge@ChicagoBooth.edu

2 - An Analytics Approach To Designing Drug Therapies For Cancer
John M Silberholz, MIT, Cambridge, MA, 02139, United States, josilber@mit.edu, Dimitris Bertsimas

3 - Online Decision-making With High-dimensional Covariates
Hamsa Sridhar Bastani, Stanford University, 10 Comstock Circle, Apt 304, Stanford, CA, 94305, United States, hsridhar@stanford.edu, Mohsen Bayati

4 - Estimating Average Treatment Effects In High-dimensional Observational Studies
Stefan Wager, Stanford University, Stanford, CA, United States, swager@stanford.edu, Susan Athey, Guido Imbens

■ SD92

Davidson Ballroom B-MCC

INFORMS Optimization Society Prize Session

Award Session

Chair: Suvrajeet Sen, University of Southern California, 3715 McClintock Ave, Los Angeles, CA, 90089, United States, s.sen@usc.edu

1 - Optimization SocietyAwards
Suvrajeet Sen, University of Southern California, 3715 McClintock Ave, Los Angeles, CA, 90089, United States, s.sen@usc.edu

■ SD93

Davidson Ballroom C-MCC

Panel: Trends in Service Systems Research Funded by NSF: Overview of Opportunities for the Human-technology Frontier

Panel Session

Moderator: Alexandra Medina-Borja, NSF/ UPRM, PFI: BIC - Smart Service Systems, Falls Church, VA, United States, amedinab@nsf.gov

1 - Trends In Service Systems Research funded byNSF: Overview Of Opportunities For The human-technology frontier
Alexandra Medina-Borja, US National Science Foundation, Arlington, VA, 2, United States, alexandra.medinaborja@upr.edu

2 - Panelist
David Mendonca, Rensselaer Polytechnic Institute, New York, NY, 0, United States, mendod@rpi.edu

Monday, 8:00AM - 9:30AM

■ MA01

101A-MCC

Learning from Uncertain Data with High Dimensionality

Sponsored: Data Mining

Sponsored Session

Chair: Neng Fan, University of Arizona, Engineering Bldg, Room 312, 1127 E. James E. Rogers Way, Tucson, AZ, 85721, United States, nfan@email.arizona.edu

1 - Multiclass Support Vector Machines With Labeling Uncertainty
Wanlu Gu, University of Arizona, wanlugu@email.arizona.edu

2 - Sparse Support Vector Machines With Data Uncertainty
Ammon Washburn, University of Arizona, wammonj@email.arizona.edu

3 - Graph Clustering Of Data With Uncertainties
Yujia Zhang, University of Arizona, yujiazhang@email.arizona.edu

4 - Constrained Clustering Of Uncertain Data
Derya Dinler, PhD Candidate, Middle East Technical University, ODTU Endustri Muhendisligi Bolumu, Cankaya, Ankara, 06800, Turkey, dinler@metu.edu.tr, Mustafa Kemal Tural

■ MA02

101B-MCC

New Advancements in Using Data Analytics for Healthcare Applications

Sponsored: Data Mining

Sponsored Session

Chair: Talayeh Razzaghi, Clemson University, 100 McAdams Hall, Clemson, SC, 29634, United States, talayeh.razzaghi@gmail.com

1 - Using Density To Identify Fixations In Gaze Data: Optimization-based Formulations And Algorithms
Andrew C Trapp, Worcester Polytechnic Institute, atrapp@wpi.edu

2 - Leveraging Longitudinal Healthcare Data For Inverse Classification
Michael Lash, University of Iowa, michael-lash@uiowa.edu, Nick Street

3 - Stability And Performance Of Healthcare Access Supply-demand Systems Affected by Stochastic Time Delays
Sara Nourazari, California State University-Long Beach, Bellflower Boulevard, Long Beach, CA, 90840, United States, Sara.Nourazari@csulb.edu, Rifat Sipahi, James Benneyan

■ MA03

101C-MCC

Daniel H. Wagner Prize Competition I

Invited: Daniel H. Wagner Prize Competition

Invited Session

Chair: C. Allen Butler, Daniel H Wagner Associates, Inc., 2 Eaton Street, Hampton, VA, 23669, United States, Allen.Butler@va.wagner.com

1 - Calibrated Route Finder – Social, Environmental And Cost-effective Truck Routing
Mikael Ronnqvist, Professor, Universite Laval, Pavillion Adrien-Pouliot, Bureau 3345, 1065 Avenue De La Medecine, Quebec, QC, G1V OA6, Canada, mikael.ronnqvist@gmc.ulaval.ca
Gunnar Svenson, Patrik Flisberg, Lars-Erik Jönsson

2 - Vungle Inc. Improves Monetization Using Data Analytics
Ioannis Fragkos, Erasmus University, Burgemeester Oudlaan 50, Rotterdam, Netherlands, fragkos@rsm.nl, Bert De Reyck, Yael S Grushka-Cockayne, Casey Lichtendahl, Hammond Guerin

■ MA04

101D-MCC

Low-Carbon Power Sector: Policy and Technology Analysis

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Afzal Siddiqui, University College London, Department of Statistical Science, London, WC1E 6BT, United Kingdom, afzal.siddiqui@ucl.ac.uk

1 - Strategic Offering Of A Flexible Producer
Tuomas Rintamäki, Aalto University, Espoo, Finland, tuomas.rintamaki@aalto.fi, Afzal Siddiqui, Ahti Salo

2 - Power And Heat Market Model
Vilma Virasjoki, Aalto University, Espoo, Finland, vilma.virasjoki@aalto.fi, Afzal Siddiqui, Behnam Zakeri, Ahti Salo

3 - Market Power In Electricity Markets In South-east Europe
Verena Viskovic, PhD Student, UCL, 1-19 Torrington Place, 2 Cubitt Street, London, United Kingdom, verena.viskovic.13@ucl.ac.uk, Yihsu Chen, Afzal Siddiqui, Makoto Tanaka

4 - Variability Management In Long-term Investment Models
Lina Reichenberg, Chalmers University of Technology, lina.reichenberg@chalmers.se, Sonja Wogrin, Afzal Siddiqui

■ MA05

101E-MCC

Remuneration of Flexibility in Electricity Markets

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Anthony Papavasiliou, CORE, UCL, Voie du Roman Pays 34, Louvain la Neuve, B-1348, Belgium, tpapva@hotmail.com

1 - A Revenue Adequate, Cost Recovering, Uniform Pricing Scheme For Wind Generation
Golbon Zakeri, University of Acukland, g.zakeri@auckland.ac.nz Geoff Pritchard, Mette Bjorndal, Endre Bjorndal

2 - Operating Reserve Demand Curves For Improved Pricing In Electricity Markets With Renewable Energy
Audun Botterud, Argonne National Laboratory, abotterud@anl.gov, Zhi Zhou, Todd Levin

3 - Ramp Capability Pricing: Environmental, Economic And Reliability Outcomes In Markets With High Penetration Of Renewables And Flexible CCS Plants
Dalia Patino Echeverri, Assistant Professor, Duke University, 9 Circuit Drive, Box 90328, Durham, NC, 27708, United States, dalia.patino@duke.edu, Rubenka Bandyopadhyay

4 - Deterministic Market Designs With Efficient Scheduling Of Flexible Ramping Products
Stefanos Delikaraoglou, Technical University of Denmark, Elektrovej, Building 325, room 105, Kgs. Lyngby, 2800, Denmark, stde@dtu.dk, Yves Smeers, Anthony Papavasiliou, Pierre Pinson

■ MA06

102A-MCC

Social Media Analytics

Sponsored: Data Mining

Sponsored Session

Chair: Julie Zhang, University of Massachusetts Lowell, One University Avenue, Lowell, MA, 01854, United States, Juheng_Zhang@uml.edu

1 - Challenging The Spatial Homogeneity Of Online Reviews
Theodoros Lappas, Stevens University of Technology, tlappas@stevens.edu

2 - Aspect Mining For Discovering Demand-side Knowledge In Online Customer Reviews
Zhilei Qiao, Virginia Tech, qzhilei@vt.edu, G. Alan Wang

3 - Strategically Information Disclosure On Social Media
Julie Zhang, University of Massachusetts Lowell, Juheng_Zhang@uml.edu

4 - On Predicting Social Protest Using Social Media
Rostyslav Korolov, Doctoral Student, Rensselaer Polytechnic Institute, 110 Eighth street, Troy, NY, 12180, United States, korolr@rpi.edu, Di Lu, Jingjing Wang, Guangyu Zhou, Claire Bonial, Clare Voss, Lance Kaplan, William A Wallace, Jiawei Han, Heng Ji

■ MA07

102B-MCC

Business Process Intelligence

Sponsored: Data Mining

Sponsored Session

Chair: Zhe Shan, University of Cincinnati, Cincinnati, OH, United States, zhe.shan@uc.edu

1 - Optimal Process Adaptation For Robust Lot Collaboration
Zhe Shan, University of Cincinnati, Cincinnati, OH, United States, zhe.shan@uc.edu

2 - Tree-based Models For Longitudinal Data
Peng Wang, University of Cincinnati, wangp9@ucmail.uc.edu Dan Liu, Brittany Green

3 - Mining Process Patterns Via Electronic Medical Record Audit Logs
He Zhang, University of South Florida, hezhang@usf.edu

4 - Feature Selection For Quality Assessment Of Predicted Protein Structures
Shokoufeh Mirzaei, California State Polytechnic University - Pomona, CA, smirzaei@cpp.edu

5 - Healthcare Fraud Analysis Using Sequential Data Mining
Babak Zafari, Babson College, Boston, MA, United States, zafari.babak@gmail.com

■ MA08

103A-MCC

Crowd-based Innovation

Invited: Business Model Innovation

Invited Session

Chair: Bilal Gokpinar, UCL, London, United Kingdom, b.gokpinar@ucl.ac.uk

1 - Experience Breadth And Problem-solving In Crowdsourcing Contests: An Empirical Investigation
Anant Mishra, George Mason University, Fairfax, VA, 22030, United States, amishra6@gmu.edu, Nirup M Menon, Shun Ye

2 - Spatial Distribution Of Alternative Finance
Mingfeng Lin, University of Arizona, 1130 E. Helen St, Tucson, AZ, 85721, United States, mingfeng@eller.arizona.edu, Bryan Zhang

3 - The Role Of Customer Investor Involvement In Crowdfunding Success
Philipp Cornelius, University College London, London, United Kingdom, philipp.cornelius.12@ucl.ac.uk, Bilal Gokpinar

■ MA09

103B-MCC

Energy System Design and Optimization

Invited: Energy Systems Management

Invited Session

Chair: Kai Pan, University of Florida, 303 Weil Hall, Gainesville, FL, 32611, United States, kpan@ufl.edu

1 - An Asynchronous Dual Decomposition Algorithm For Stochastic Unit Commitment
Ignacio Aravena, PhD Student, Université catholique de Louvain, Voie du Roman Pays 34 bte L1.03.01, Louvain-la-Neuve, 1348, Belgium, ignacio.aravena@uclouvain.be, Anthony Papavasiliou

2 - Valid Inequalities For Hydro Genco Self-scheduling Optimization
Minseok Ryu, University of Michigan, Ann Arbor, MI, United States, msryu@umich.edu, Antonio J. Conejo, Ruiwei Jiang

3 - A Bi-level Decision Dependent Stochastic Programming Model For Generation Investment Planning
Yiduo Zhan, University of Central Florida, yzhan@knights.ucf.edu
Qipeng Zheng

4 - Optimal Bidding Strategy For Electricity Market Participants Considering Wind And Price Uncertainties
Kai Pan, University of Florida, 411 Weil Hall, Gainesville, FL, 32611, United States, kpan@ufl.edu, Yongpei Guan, Jean-Paul Watson

■ MA10

103C-MCC

SpORts: Bracketology

Sponsored: SpORts

Sponsored Session

Chair: Laura Albert McLay, University of Wisconsin-Madison, 1513 University Avenue, Madison, WI, 53706, United States, laura@engr.wisc.edu

1 - A Modified Logistic Regression Markov Chain Model For Ranking College Basketball And Football Teams And Forecasting Game Outcomes
Laura Albert McLay, University of Wisconsin-Madison, laura@engr.wisc.edu

2 - Sampling From The 9,223,372,036,854,775,808 Possible Brackets In The Ncaa Men's Basketball Tournament Using The Power Model
Arash Khatibi, University of Illinois, Urbana, IL, 61802, United States, khatibi2@illinois.edu, Douglas M King, Maryam Kazerooni, Sheldon H Jacobson

3 - Predicting The Other Bracket Analysis Of The Selection Process For The National Invitation Tournament
Stephen Hill, University of North Carolina - Wilmington, hills@uncw.edu

■ MA11

104A-MCC

Network Optimization Models and Applications I

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Jorge A Sefair, Arizona State Univerity, 699 S. Mill Ave., BYENG 330, Tempe, AZ, 85281, United States, jorge.sefair@asu.edu

1 - Optimizing The Recovery Of Disrupted Multi-echelon Assembly Supply Chain Networks
Huy Q Nguyen, Rensselaer Polytechnic Institute, 110 8th Street, 5119 Center for Industrial Innovation, Troy, NY, 12180, United States, nguyeh7@rpi.edu, Thomas Sharkey, John E. Mitchell, William (Al) Wallace

2 - Network Level Traffic Management Through Selective Ramp Metering
Dening Peng, Arizona State University, Dening.Peng@asu.edu, Pitu B. Mirchandani

3 - A New Methodology For Sewer Systems Design
Daniel Duque, Universidad de los Andes, d.duque25@uniandes.edu.co, Andres L Medaglia

4 - Dynamic Maximum Flow With Geographic Conflict Considerations
Navid Matin Moghaddam, Arizona State University, Tempe, AZ, United States, nmatinmo@asu.edu, Jorge A. Sefair

■ MA12

104B-MCC

Integrated Methods and Decomposition Approaches

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Joris Kinable, Carnegie Mellon University, Pittsburgh, PA, United States, jkinable@cs.cmu.edu

1 - Decomposition By Decision Diagrams
Andre Augusto Cire, University of Toronto - Scarborough, acire@utsc.utoronto.ca, David Bergman

2 - Scalable Segment Abstraction Method For Advertising Campaign Admission And Inventory Allocation Optimization
Tuomas W Sandholm, Carnegie Mellon University, sandholm@cs.cmu.edu, Tuomas W Sandholm, Optimized Markets, Inc., Pittsburgh, PA, United States, sandholm@cs.cmu.edu, Fei Peng

3 - A Branch-and-Check Approach To Solve A Wind Turbine Maintenance Scheduling Problem
Louis-Martin Rousseau, Professor, Ecole Polythechnique de Montreal, Montréal, QC, Canada, louis-martin.rousseau@polymtl.ca
Louis-Martin Rousseau Froger, Michel Gendreau, Jorge E. Mendoza, Éric Pinson

4 - Branch And Price And Check For Vehicle Routing With Location Constraints
Pascal Van Hentenryck, University of Michigan, pvanhent@umich.edu

■ MA13

104C-MCC

Nonconvex Optimization: Theory and Algorithms

Sponsored: Optimization, Global Optimization

Sponsored Session

Chair: Evrim Dalkiran, Wayne State University, 4815 Fourth St, Detroit, MI, 48202, United States, evrimd@wayne.edu

1 - Computational Experimentation With Cutting Planes For Convex-transformable Functions
Carlos Nohra, Carnegie Mellon University, Department of Chemical Engineering, 5000 Forbes Avenue, Pittsburgh, PA, 15213, United States, cnohrakh@andrew.cmu.edu
Nikolaos Sahinidis

2 - RLT And McCormick Relaxations For Polynomial Programming Problems
Evrim Dalkiran, Wayne State University, evrimd@wayne.edu

3 - Polyhedral Results For Combinatorially-constrained Network Flows
Jean-Philippe P. Richard, University of Florida, richard@ise.ufl.edu
Danial Davarnia

4 - New Formulation-based Methods In Distance Geometry
Leo Liberti, CNRS, Palaiseau, 91128, France, liberti@lix.polytechnique.fr

■ MA14

104D-MCC

Data Analytics in Revenue Management Applications

Sponsored: Analytics

Sponsored Session

Chair: Jian Wang, The RainMaker Group, 4550 North Point Parkway, Alpharetta, GA, 30022, United States, jwang@LetItRain.com

1 - Discrete Choice Models In Airline Revenue Management Applications: Challenges And Opportunities.
Emmanuel Carrier, Delta Airlines, emmanuel.carrier@delta.com
Laurie A. Garrow

2 - New Developments In Airline Capacity Sharing Model With Movable Curtain
Ang Li, PROS, Inc., Houston, TX, United States, ali@pros.com,
Darius Walczak

3 - Forecasting Hotel Room Sales By Utilizing Online User Reviews
Jian Wang, VP, R&D, The RainMaker Group, 4550 North Point Parkway, Alphretta, GA, 30022, United States, jwang@LetItRain.com, Sneha Bishnoi, Han Wu

■ MA15

104E-MCC

Recent Advances in Optimization for Structured High-Dimension Problems

Invited: Modeling and Methodologies in Big Data

Invited Session

Chair: Mingyi Hong, Iowa State University, 118 Pearson Hall, Ames, IA, 50021, United States, mingyi@iastate.edu

1 - Improved Sampling Complexity For Non-convex Optimization And Learning
Guanghui Lan, Georgia Institution of Technology, Atlanta, GA, United States, george.lan@isye.gatech.edu

2 - Smart: The Stochastic Monotone Aggregated Root-finding Algorithm
Damek Davis, UCLA, damek@math.ucla.edu

3 - A First Order Free Lunch For The Sort-Lasso Optimization: Linear Convergence Without A Price
Tuo Zhao, Johns Hopkins University, tour@cs.jhu.edu

4 - Fast Stochastic Methods For Nonconvex Optimization
Sashank Reddi, CMU, sjakkamr@cs.cmu.edu

■ MA16

105A-MCC

Data Driven Optimization

General Session

Chair: Andrew Lim, National University of Singapore, 15 Kent Ridge Drive, Singapore, 119245, Singapore, andrewlim@nus.edu.sg

Co-Chair: Michael Jong Kim, University of Toronto, 5 King's College Road, Toronto, M5S3G8, Canada, mikekim@mie.utoronto.ca

1 - Solving The Dual Problems Of Dynamic Programs Via Regression
Enlu Zhou, Georgia Institute of Technology, enlu.zhou@isye.gatech.edu, Helin Zhu, Fan Ye

2 - The Coherent Loss Function For Classification
Huan Xu, National University of Singapore, Singapore, isexuh@nus.edu.sg, Wenzhuo Yang, Melvyn Sim

3 - Inverse Optimization Of Convex Risk Functions
Jonathan Yu-Meng Li, University of Ottawa, Ottawa, ON, Canada, Jonathan.Li@telfer.uottawa.ca

4 - Robust Empirical Optimization
Andrew Lim, National University of Singapore, Singapore, Singapore, andrewlim@nus.edu.sg, Jun-ya Gotoh, Michael Jong Kim

■ MA17

105B-MCC

Optimizing Power System Operations Under Uncertainty

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Yu Zhang, University of California, Berkeley, 200 California Hall, Albany, CA, 94720, United States, yuzhang49@berkeley.edu

1 - Unit Commitment Under Gas-supply Uncertainty And Gas-price Variability
Antonio J. Conejo, The Ohio State University, 1971 Neil Av., Columbus, OH, 43210, United States, conejonavarro.1@osu.edu
Ramteen Sioshansi, Bining Zhao

2 - Stochastic Market Clearing With High-penetration Wind Power
Yu Zhang, University of California, Berkeley, yuzhang49@berkeley.edu, Georgios Giannakis

3 - Integrated Generator Maintenance And Operations Scheduling Under Uncertain Failure Times
Beste Basciftci, Georgia Institute of Technology, Atlanta, GA, United States, beste.basciftci@gatech.edu
Murat Yildirim, Shabbir Ahmed, Nagi Gebraeel

■ MA18

106A-MCC

Theory of Integer Optimization

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Alberto Del Pia, University of Wisconsin, Madison, Madison, WI, United States, delpia@wisc.edu

1 - Facet Separation With One Linear Program
Laurence Wolsey, Université catholique de Louvain, laurence.wolsey@uclouvain.be, Michele Conforti

2 - Ellipsoidal Mixed-Integer Representability
Jeffrey Poskin, University of Wisconsin - Madison, Wisconsin, WI, United States, poskin@wisc.edu, Alberto Del Pia

■ MA19

106B-MCC

Evaluating the Performance of Optimization Solvers

Sponsored: Computing

Sponsored Session

Chair: Paul Brooks, Virginia Commonwealth Univ, Virginia Commonwealth Univ, Richmond, VA, 00000, United States, jpbrooks@vcu.edu

1 - IPET: Interactive Performance Evaluation Tools For Benchmarking Optimization Software
Gregor Hendel, ZIB, hendel@zib.de

2 - Surrogate Models For Algorithm Configuration
Meinolf Sellmann, IBM Research, Yorktown Heights, NY, United States, meinolf@us.ibm.com

3 - Tuning Of Optimization Software Parameters For Mixed Integer Programming Problems
Toni P Sorrell, Virginia Commonwealth University, Richmond, VA, United States, tpsorrel@vcu.edu, Paul Brooks, David Edwards

4 - Deploying MPL Optimization Models With Google Web Services API's
Bjarni Kristjansson, President, Maximal Software Inc., 2111 Wilson Boulevard, Suite 700, Arlington, VA, 22201, United States, bjarni@maximalsoftware.com

■ MA20

106C-MCC

Healthcare Analytics: Big Data, Little Evidence

Invited: Tutorial

Invited Session

Chair: Joris van de Klundert, Erasmus University, Institute of Health Policy & Management, 2983 HE Ridderkerk, Netherlands, vandeklundert@bmg.eur.n

1 - Healthcare Analytics: Big Data, Little Evidence
Joris van de Klundert, Erasmus University, Institute of Health Policy & Management, 2983 HE Ridderkerk, Netherlands, vandeklundert@bmg.eur.n

■ MA21

107A-MCC

Applications of Health Systems Analytics

Sponsored: Health Applications

Sponsored Session

Chair: Muge Capan, Christiana Care Health System, Value Institute, 4755 Ogletown-Stanton Road, 2nd Floor, Suite 2E55, Newark, DE, 19718, United States, Muge.Capan@ChristianaCare.org

1 - Sepsis: Sepsis Early Prediction Support Implementation System
Nisha Nataraj, North Carolina State University, NC, United States, nnatara@ncsu.edu, Julie Ivy, Muge Capan, Ryan Arnold, James R Wilson

2 - Validation And Implementation Of Early Warning System To Synthesize Acuity, Clinical Judgment, And Workload
Stephen Hoover, Christiana Care Health System, Value Institute, Newark, DE, United States, Stephen.Hoover@ChristianaCare.org
Muge Capan, Justin M Glasgow, Susan Mascioli, Eric V. Jackson

3 - Patient Access To Specialty Endocrinology Care
Henry Ballout, University of Michigan, Ann Arbor, MI, United States, haballou@umich.edu, Pranjal Singh, Amy Cohn, Amy E. Rothberg

4 - Robust Optimization Framework To Account For Prediction Errors For Cancer Diagnosis
Selin Merdan, University of Michigan, smerdan@umich.edu

■ MA22

107B-MCC

Healthcare Policy, Personalized Treatment, and Coalitions: Operations Research Approaches

Invited: ORinformed Healthcare Policies

Invited Session

Chair: Pooyan Kazemian, Harvard Medical School, 25 Shattuck Street, Boston, MA, 02115, United States, pooyan.kazemian@mgh.harvard.edu

Co-Chair: Mark P. Van Oyen, University of Michigan, Ann Arbor, MI, United States, vanoyen@umich.edu

1 - Depression Care Management: Personalized Assessment To Cost-effective Population Interventions
Shan Liu, Assistant Professor, University of Washington, Seattle, WA, 98195, United States, liushan@uw.edu
Shuai Huang, Ying Lin, Xuelu Yang, Jiaqi Huang, Weiwei Shang

2 - National Policy Impact Of High-cost Biologics For Ophthalmologic Use
David W. Hutton, University of Michigan, dwhutton@umich.edu

3 - On Personalized Allocation Of Treatments
Mohsen Bayati, Stanford University, bayati@stanford.edu, Hamsa Sridhar Bastani, Khashayar Khosravi

4 - From Incident To Inpatient: How Healthcare Coalitions Can Improve Community Response
Jonathan Helm, Indiana University, helmj@indiana.edu
Alex Mills, Andres Jola-Sanchez, Mohan V Tatikonda, Bobby Courtney

■ MA23

108-MCC

Human Resource Analytics in Anesthesia

Sponsored: Health Applications

Sponsored Session

Chair: Franklin Dexter, University of Iowa, 200 Hawkins Drive, 6-JCP, Iowa City, IA, 52242, United States, franklin-dexter@uiowa.edu

1 - Comparing Providers Based On An "obvious" Short-term Clinical Outcome: Pain Scores
Jonathan Porter Wanderer, Vanderbilt University, Nashville, TN, 37204, United States, jon.wanderer@Vanderbilt.Edu

2 - Comparing Anesthesia Providers Based On Discrepancies In Their Controlled Substance Reconciliation Logs
Richard H. Epstein, University of Miami, repstein@med.miami.edu

3 - Comparing Faculty Anesthesiologists Based On Daily Evaluations Of Quality Of Supervision By The Resident Physicians
Franklin Dexter, University of Iowa, franklin-dexter@uiowa.edu

4 - Privacy Policies For Protecting Human Resources
Liam O'Neill, University of North Texas, liam.oneill@unthsc.edu

■ MA24

109-MCC

Organizational Structures and Innovation

Invited: Strategy Science

Invited Session

Chair: Todd Zenger, University of Utah, Eccles School of Business, Salt Lake CIty, UT, 9, United States, todd.zenger@eccles.utah.edu

1 - Organizational Structure, Attention Allocation Andinnovation In The Multidivisional Firm
John Joseph, University of California, Irvine, CA, 9, United States, john2@uci.edu, Alex Wilson

2 - Stage-gate Processes And Selection In Innovation
Ronald Klingebiel, Frankfurt School of Finance and Management, 1, Frankfurt, Germany, r.klingebiel@fs.de, Peter Esser

3 - Intra-firm Collaboration Boundaries And The Efficacy Of Innovation
Andy Wu, Harvard Business School, Soldiers Field, Boston, MA, 02163, United States, awu@hbs.edu, David Hsu, Vikas Aggarwal

4 - How Do Pilots Work? Examining Pilot Use In New Practice Transfer?
Megan Lawrence, Vanderbilt University, Owen Graduate School of Management, Nashville, TN, 3, United States, megan.lawrence@vanderbilt.edu

■ MA25

110A-MCC

Modern Project Management

Invited: Project Management and Scheduling

Invited Session

Chair: Nicholas G Hall, Ohio State University, Columbus, OH, United States, hall.33@osu.edu

1 - Opportunities For Behavioral Research In Project Management
Enno Siemsen, University of Wisconsin, esiemsen@wisc.edu

2 - Information Protection In New Product Development Projects
Xiaoqin Wen, Shanghai University, wenxq_8@163.com, Nicholas G Hall

3 - Research Challenges In Project Management
Ted Klastorin, University of Washington, tedk@u.washington.edu

4 - Research Opportunities In Project Scheduling
Rainer Kolisch, Technical University of Munich, rainer.kolisch@tum.de

■ MA26

110B-MCC

Dynamic Matching

Invited: Auctions

Invited Session

Chair: John Dickerson, Carnegie Mellon University, 9219 Gates-Hillman Center, Pittsburgh, PA, 15213, United States, dickerson@cs.cmu.edu

1 - Dynamics Matching With Departures
Maximilien Burq, Massachusetts Institute of Technology, Cambridge, MA, United States, mburq@mit.edu
Vahideh Manshadi, Itai Ashlagi, Patrick Jaillet

2 - Dynamic Matching In Over-the-counter Markets
Yu An, Stanford, Stanford, CA, United States, yua@stanford.edu
Zeyu Zheng

3 - Toward A Credit-based Mechanism For Dynamic Kidney Exchange
John Dickerson, Carnegie Mellon University, dickerson@cs.cmu.edu, John Dickerson, University of Maryland, College Park, MD, 20742, United States, dickerson@cs.cmu.edu

■ MA27

201A-MCC

Empirical Research in Operations II

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Nils Rudi, INSEAD, 1 Ayer Rajah Avenue, Singapore, 138676, Singapore, nils.rudi@insead.edu

1 - Fitting, Clustering And Forecasting Product Life Cycles: Model And Empirical Validation
Jan A Van Mieghem, Harold Stuart Professor, Northwestern University, 1, Evanston, IL, 60209-2001, United States, vanmieghem@kellogg.northwestern.edu
Kejia Hu, Jason Acimovic, Douglas Thomas

2 - Managing Multichannel Delivery Of Healthcare Services: Case Of Telemedicine In Rural India
Kraig Delana, London Business School, PhD Program Office, London, NW1 4SA, United Kingdom, kdelana@london.edu, Kamalini Ramdas, Sarang Deo

3 - Forecasting Demand For New Products: Combining Subjective Rankings With Historical Data
Marat Salikhov, INSEAD, Boulevard de Constance, Fontainebleau, 77305, France, marat.salikhov@insead.edu
Nils Rudi

■ MA28

201B-MCC

Online Retailing

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Dorothee Honhon, University of Texas at Dallas, Richardson, TX, United States, dorothee.honhon@utdallas.edu

Co-Chair: Xiajun Amy Pan, University of Florida, Gainesville, FL, United States, amy.pan@warrington.ufl.edu

1 - Probabilistic Selling For Vertically Differentiated Products: The Role Of Salience
Quan Ben Zheng, University of Florida, quan.zheng@warrington.ufl.edu, Xiajun Amy Pan, Janice E Carrillo

2 - Maximizing Profitability In Online Retail Through Free Shipping Threshold
Jiaqi Xu, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA, 15217, United States, jiaqixu@wharton.upenn.edu, Gerard P Cachon, Santiago Gallino

3 - Learning From Clickstream Data In Online Retail
Bharadwaj Kadiyala, PhD Candidate, The University of Texas at Dallas, Richardson, TX, United States, bharadwaj.kadiyala@utdallas.edu, Dorothee Honhon, Canan Ulu

■ MA29

202A-MCC

Improving Supply Chain Responsibility Through Regulation and External Actions

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Robert Swinney, Duke University, Durham, NC, United States, robert.swinney@duke.edu

1 - Pollution Regulation And Market Structure: Equilibria, Profits And Welfare Effects
Krishnan S Anand, University of Utah, 1655 E Campus Center Dr Rm 7211, David Eccles School Of Business, Salt Lake City, UT, 84112, United States, anand@eccles.utah.edu Francois C. Giraud-Carrier

2 - Extended Producer Responsibility (EPR) For Pharmaceuticals
Isil Alev, Boston College, isil.alev@bc.edu Atalay Atasu, Beril L Toktay, Ozlem Ergun

3 - Prevention Or Prosecution: An Analytical Approach To Modern Slavery In Supply Chains
Shawn Bhimani, Duke University, Durham, NC, United States, shawn.bhimani@gmail.com

■ MA30

202B-MCC

Sustainable Operations I

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Basak Kalkanci, Georgia Institute of Technology, Atlanta, GA, United States, basak.kalkanci@scheller.gatech.edu

1 - Operational Challenges For Distributed Manufacturing In Developing Countries
Andre Du Pin Calmon, INSEAD, Fontainebleau, France, andre.calmon@insead.edu

2 - Sustainable Operations Versus Corporate Social Responsibility: A Cross – Country Analysis Of Value Chain Transparency
Ryan Buell, Harvard Business School, rbuell@hbs.edu Basak Kalkanci

3 - A Dynamic Mechanism For Achieving Sustainable Supply Of High Quality Products
Fang Liu, Nanyang Technological University, Singapore, Singapore, Liu_Fang@ntu.edu.sg, Tracy Lewis, Jing-Sheng Jeannette Song

4 - New Business Models For Industrial Park Operators
Ioannis Siskos, Kuhne Logistics University, ioannis.siskos@the-klu.org, Luk N Van Wassenhove

■ MA31

202C-MCC

Energy and Commodity Merchant Operations

Sponsored: Manufacturing & Service Oper Mgmt, iFORM

Sponsored Session

Chair: Selvaprabu Nadarajah, College of Business, University of Illinois at Chicago, 601 S Morgan St, Chicago, IL, 60607, United States, selvan@uic.edu

1 - Risk Neutral And Risk Averse Approximate Dynamic Programming Methods For Bidding In The Energy Market
Daniel R. Jiang, University of Pittsburgh, Pittsburgh, PA, 15261, United States, drjiang@pitt.edu, Warren B Powell

2 - Keeping Options Open When Just One Can Be Exercised: When To Pick A Winner
Daniel Ralph, University of Cambridge, d.ralph@jbs.cam.ac.uk Rutger-Jan Lange

3 - Policy Uncertainty And Real Options On Switching Of Peak Power Plants
Stein-Erik Fleten, Norwegian University of Science and Technology, stein-erik.fleten@iot.ntnu.no, Marius Johansen, Alois Pichler, Carl J Ullrich

■ MA32

203A-MCC

Scheduling V

Contributed Session

Chair: Nermine Harraz, Associate Professor, Alexandria University - Faculty of Engineering, Alexandria, Egypt, nharraz@alexu.edu.eg

1 - Two Stage, Single Lot, Lot Streaming Problem For A 1 + M Hybrid Flow Shop
Sanchit Singh, Virginia Tech, 1206 University Terrace, Apt F, Blacksburg, VA, 24060, United States, sanchit@vt.edu

2 - Ideal Schedules
Kangbok Lee, City University of New York, York College, 94-20 Guy R Brewer Boulevard, Queens, NY, 11451, United States, kangbok.lee3@gmail.com, Joseph Leung, Michael L Pinedo

3 - An Exact Model For Solving The Hybrid Flow Shop Scheduling Problem
Nermine Harraz, Associate Professor, Alexandria University - Faculty of Engineering, Alexandria, Egypt, nharraz@alexu.edu.eg

■ MA33

203B-MCC

Simulation I

Contributed Session

Chair: Simon Mak, Graduate Student, Georgia Institute of Technology, North Ave NW, Atlanta, GA, 30332, United States, smak6@gatech.edu

1 - Dynamic Simulation Of Marine Port Resiliency
Henry Lester, University of South Alabama, PO Box 8172, Mobile, AL, 36689, United States, hlester@southalabama.edu, Raymond L Smith

2 - An Optimal Stopping Approach To Portfolio Risk Measurement
Kun Zhang, Mr, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong, Hong Kong, 000, Hong Kong, kunzhang6-c@my.cityu.edu.hk, Guangwu Liu, Bingfeng Zhang

3 - A Simulation Model For Assessing Mitigation Strategies Against Cyber Attacks
Soumyo D Moitra, Senior Member of Technical Staff, Software Engineering Institute, 5000 Forbes Avenue, Pittsburgh, PA, 15213, United States, smoitra@sei.cmu.edu

4 - Support Points: A New Method For Compacting Distributions
Simon Mak, Graduate Student, Georgia Institute of Technology, North Ave NW, Atlanta, GA, 30332, United States, smak6@gatech.edu

■ MA34

204-MCC

Networks in Healthcare

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Itai Gurvich, Kellogg School of Management, Evanston, IL, United States, i-gurvich@kellogg.northwestern.edu

1 - Network Effects In Epidemic Propagation
Kimon Drakopoulos, Massachusetts Institute of Technology, kimondr@mit.edu

2 - Distance, Quality, Or Relationship? Interhospital Transfer Of Heart Attack Patients
Lauren X Lu, Associate Professor, University of North Carolina, Chapel Hill, NC, United States, lauren_lu@unc.edu, Susan F Lu

3 - Digital And Physical Team Interaction: How Team Size And Stability Determine Hospitalist Productivity
Jan A Van Mieghem, Northwestern University, vanmieghem@northwestern.edu, Itai Gurvich, Lu Wang, Nicholas D Soulakis

■ MA35

205A-MCC

Breakthroughs in Teaching Operations

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Ryan Buell, Harvard Business School, Soldiers Field Road, Boston, MA, 02163, United States, rbuell@hbs.edu

1 - The Use Of Technology To Improve Engagement Through Accountability
Gad Allon, Wharton School, Philadelphia, PA, 19010, United States, gadallon@wharton.upenn.edu

2 - Innovations In Teaching Operations Management At UCLA
Guillaume Roels, Anderson School of Management, UCLA, guillaume.roels@anderson.ucla.edu

3 - Architecting New Business Models (in the classroom)
Karan Girotra, INSEAD, karan.girotra@insead.edu

4 - Ideo: Human-centered Service Design – Multimedia-enhanced Teaching And Learning
Ryan Buell, Harvard Business School, rbuell@hbs.edu

■ MA36

205B-MCC

Emerging Issues in Supply Chain

General Session

Chair: Hyun-Soo Ahn", University of Michigan, Ann Arbor, MI, United States, hsahn@umich.edu

Co-Chair: Hakjin Chung, University of Michigan, 701 Tappan Avenue, Ann Arbor, MI, 48103, United States, hakjin@umich.edu

1 - On Multi-Attempt Approximation Of Choice Model And Its Application To Assortment Optimization
Hakjin Chung, University of Michigan, hakjin@umich.edu

2 - Non-stationary Product Release Pattern
Lai Wei, University of Michigan, laiwi@umich.edu
Stefanus Jasin, Roman Kapuscinski

3 - Flexibility Design Of Unbalanced Supply Chains Via Extended Probabilistic Expanders
Hao Shen, Tsinghua University, Beijing, China, chenhao14@mails.tsinghua.edu.cn, Yong Liang, Zuo-Jun Max Shen

4 - Rationale For Supply Partnership With Downstream Rival: Information Asymmetry And Dual Sourcing
Seung Hwan Jung, Washingtn University in St. Louis, St. Louis, MO, United States, seunghwan.jung@wustl.edu

■ MA37

205C-MCC

Securing Sustainable Future

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Elena Belavina, University of Chicago Booth School of Business, Chicago, IL, United States, elena.belavina@chicagobooth.edu

1 - Grocery Access Market Structure And Food Waste
Elena Belavina, University of Chicago, elena.belavina@chicagobooth.edu

2 - Pricing, Product Display, Inventory And Waste Management For Deteriorating Products.
Dorothee Honhon, University of Texas at Dallas, Richardson, TX, United States, dorothee.honhon@utdallas.edu
Xiajun Amy Pan, Zumbul Atan

3 - The Impact Of Legislation on Food Waste
Alexandra Heeney, Stanford University, Stanford, CA, 9, United States, aheeney@stanford.edu, Warren H Hausman, Erica Plambeck

4 - Design Implications Of Extended Producer Responsibility For Durable Products
Ximin (Natalie) Huang, Georgia Institute of Technology, 800 West Peachtree Street, NW, Atlanta, GA, 30308, United States, ximin.huang@scheller.gatech.edu, Atalay Atasu, Beril L Toktay

■ MA38

206A-MCC

Meet the Editors Panel – NPD, Innovation, and Technology

Invited: New Product Development

Invited Session

Moderator: Sanjiv Erat, University of California-San Diego, UCSD, La Jolla, CA, United States, serat@ucsd.edu

1 - Meet The Editors Panel - NPD, Innovation, andTechnology
Joel Wooten, University of South Carolina, 1014 Greene St., Columbia, SC, 29208, United States, joel.wooten@moore.sc.edu

2 - Panelist
Cheryl Gaimon, Georgia Institute Of Technology, Scheller College Of Business, Atlanta, GA, 30308, United States, cheryl.gaimon@scheller.gatech.edu

3 - Panelist
Moren Levesque, York University, Schulich School Of Business, Toronto, ON, Canada, mlevesque@schulich.yorku.ca

■ MA39

207A-MCC

Applied Probability and Machine Learning II

Sponsored: Applied Probability

Sponsored Session

Chair: Sewoong Oh, UIUC, 2011 Savanna Dr, Champaign, IL, 61822, United States, sewoong79@gmail.com

1 - Online Rules For Control Of False Discovery Rate
Adel Javanmard, Assistant Professor, University of Southern California, Bridge Memorial Hall, 3670 Trousdale Parkway, Los Angeles, CA, 90089, United States, ajavanma@marshall.usc.edu, Andrea Montanari

2 - Newton Stein Method: An Optimization Method For Glms
Murat Erdogdu, Stanford University, erdogdu@stanford.edu

3 - Data-driven Rank Breaking For Efficient Rank Aggregation
Ashish Khetan, UIUC, Urbana, IL, United States, Khetan2@illinois.edu

4 - On The Capacity Of Information Processing Systems
Kuang Xu, Stanford University, Stanford, CA, United States, kuangxu@gmail.com, Laurent Massoulie

■ MA40

207B-MCC

Supply Chain/ Inventory in Applied Probability I

Sponsored: Applied Probability

Sponsored Session

Chair: Yehua Wei, Duke University, Durham, Durham, NC, 27708, United States, yehua.wei@duke.edu

1 - Online Resource Allocation With Limited Flexibility
Arash Asadpour, NYU Stern, New York, NY, 10012, United States, aasadpou@stern.nyu.edu, Xuan Wang, Jiawei Zhang

2 - Inventory Management For Assemble To Order Systems With General Bill Of Materials And Deterministic Lead Times
Qiong Wang, University of Illinois at Urbana - Champaign, qwang04@illinois.edu, Martin I Reiman, Haohua Wan

3 - Managing Multi-period Production Systems With Limited Process Flexibility
Yuan Zhong, Columbia University, 500 W. 120th St., Mudd 344, New York, NY, 10027, United States, yz2561@columbia.edu
Cong Shi, Yehua Wei

4 - A Joint-replenishment System With Convex Purchase Costs
Paul H Zipkin, Duke University, Paul.Zipkin@Duke.edu

■ MA41

207C-MCC

FSS Tutorial

Sponsored: Financial Services

Sponsored Session

Chair: Rafael Mendoza, McCombs School of Business, Austin, TX, United States, rafael.mendoza-arriaga@mccombs.utexas.edu

■ MA42

207D-MCC

Systemic Risk and Financial Networks

Sponsored: Financial Services

Sponsored Session

Chair: Agostino Capponi, Columbia University, New York, NY, United States, ac3827@columbia.edu

Co-Chair: Agostino Capponi, Columbia University, New York NY, United States, agcappo@gmail.com

1 - An Empirical Analysis Of The Centrally Cleared Credit Default Swaps Market
W. Allen Cheng, Columbia University, 500 W 120th st, 333 Mudd, New York, NY, 10027, United States, wc2232@columbia.edu

2 - Systemic Risk And Liquidity Provision
Xu Sun, Columbia University, xs2235@columbia.edu, Agostino Capponi, David D Yao

3 - Systemic Risk Under Heterogeneous Beliefs
Benjamin Bernard, Columbia University, bb2794@columbia.edu Agostino Capponi

4 - Model Risk In Financial Networks
Peng-Chu Chen, Purdue University, West Lafayette, IN, United States, chen621@purdue.edu, Agostino Capponi

■ MA43

208A-MCC

Decision Analysis, Game Theory, and Disaster Management I

Sponsored: Decision Analysis

Sponsored Session

Chair: Jun Zhuang, University at Buffalo, SUNY, Buffalo, NY, United States, jzhuang@buffalo.edu

Co-Chair: Jing Zhang, University at Buffalo, SUNY, Buffalo, NY, United States, jzhang42@buffalo.edu

1 - Linear Programming Input Output Models For Energy Resilience
Adam Ng Tsan Sheng, National University of Singapore, isentsa@nus.edu.sg

2 - Agent-based Modeling For Resilience Of Disaster Recovery
Fei He, Texas A&M University, Kingsville, Kingsville, TX, United States, Fei.He@tamuk.edu, KumareshBabu Murugesan

3 - Modeling Fire Risk And Resource Allocation For Fire Protection And Safety
Vineet Madasseri Payyappalli, PhD Student, University at Buffalo, SUNY, Buffalo, NY, United States, vineetma@buffalo.edu, Adam Behrendt, Jun Zhuang

4 - Crisis Information Distribution Among Official Users In Twitter Based On Hurricane Sandy
Bairong Wang, University at Buffalo, The State University of New York, 338 Bell Hall, Buffalo, NY, 14260, United States, bairongw@buffalo.edu, Jun Zhuang

■ MA44

208B-MCC

Environmental Decision Analysis

Sponsored: Decision Analysis

Sponsored Session

Chair: Melissa A Kenney, University of Maryland, College Park, MD, United States, kenney@umd.edu

1 - Robust Decision Making Methods For Water Resource Management Under Climate Change Uncertainty
Seth Guikema, University of Michigan, sguikema@umich.edu, Julie Shortridge, Ben D Zaitchik

2 - Multi-criteria, Interactive Optimization For Design Of Watershed Plans
Andrew Hoblitzell, Indiana University Purdue University Indianapolis, Indianapolis, IN, 46202, United States, ahoblitz@umail.iu.edu, Meghna Babbar-Sebens, Snehasis Mukhopadhyay

3 - Using Visualization Science To Diagnose And Improve Global Change Indicator Understandability
Michael D Gerst, University of Maryland, mgerst@umd.edu Melissa A Kenney

4 - Understanding Homeowner Decisions On System Configuration For Parcel Level Storm Water Management
Royce Francis, George Washington University, seed@email.gwu.edu, Domenico C Amodeo

■ MA45

209A-MCC

Agent-based Modeling and Simulation - Overview

Sponsored: Simulation

Sponsored Session

Chair: Charles M Macal, Argonne National Laboratory, Argonne, IL, United States, macal@anl.gov

1 - Agent-based Modeling And Simulation – Overview
Charles M Macal, Argonne National Laboratory, macal@anl.gov

■ MA46

209B-MCC

Pricing, Revenue Management and Operations in Retailing

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Mehmet Sekip Altug, Assistant Professor, George Washington University, 2201 G. Street, NW, Washington, DC, 20052, United States, maltug@gwu.edu

1 - Assortment Optimization Under A Synergistic Version Of The Multinomial Logit Model
Venus Lo, Cornell University, Ithaca, NY, United States, vhl8@cornell.edu, Huseyin Topaloglu

2 - Reining In Onion Prices By Introducing A Vertically Differentiated Substitute: Models, Analysis, And Insights
Muge Yayla-Kullu, Associate Professor, University of Central Florida, Orlando, FL, United States, mugeyayla@hotmail.com Omkar D Palsule-Desai, Nagesh Gavirneni

3 - Impact Of Encroachment When Competing Manufacturers Sell Through A Common Retailer
Parshuram Hotkar, Doctoral Student, University of Texas, Austin, University Station, B6500, Austin, TX, 78712, United States, parshuram@utexas.edu, Steve Gilbert

4 - Effectiveness Of Targeted Return Management On Retailer's Profitability
Tolga Aydinliyim, Assistant Professor, Baruch College, CUNY, New York, NY, United States, Tolga.Aydinliyim@baruch.cuny.edu Mehmet Sekip Altug

■ MA47

209C-MCC

Optimizing Pricing for Multiple Substitutable Products

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Candace Arai Yano, University of California-Berkeley, IEOR Dept. and Haas School of Business, Berkeley, CA, 94720, United States, yano@ieor.berkeley.edu

1 - Dynamic Pricing And Replenishment Of Vertically Differentiated Products With Customer Upgrades
Oben Ceryan, Drexel University, Philadelphia, PA, 19104, United States, oceryan@drexel.edu, Izak Duenyas, Ozge Sahin

2 - Dynamic Pricing Of Vertically Differentiated Products With Sales Milestones
Chi-Guhn Lee, University of Toronto, chi@mie.utoronto.ca, Sajjad Najafi

3 - Optimizing Pricing For Multiple Substitutable Products
Kevin Li, University of California - Berkeley, kbl4ew@berkeley.edu

4 - Pricing Two Substitutable Products With Limited Demand Information
Zhi-Long Chen, Professor, University of Maryland, 691 Market Street East, College Park, MD, 20742, United States, zchen@rhsmith.umd.edu, Ming Chen

■ MA48

210-MCC

Social Media Analytics for Business Applications

Invited: Social Media Analytics

Invited Session

Chair: Yuheng Hu, University of Illinois-Chicago, 601 S Morgan St, Chicago, IL, 60607, United States, yuhenghu@gmail.com

1 - Content Complexity, Similarity, And Consistency In Social Media: A Deep Learning Approach
Gene Moo Lee, University of Texas at Arlington, Arlington, TX, United States, gene.lee@uta.edu Donghyuk Shin, Shu He, Andrew B Whinston

2 - Does Twitter Sentiment Move Stock Prices: Evidence From An Event Study Of The Amsterdam Exchange
Yixin Lu, George Washington University, yixinlu@gwu.edu

3 - Patient Base And Price Premium For Online Health Consultations
Liwei Chen, University of Cincinnati, vivienclw@gmail.com, Arun Rai, Xitong Guo

■ MA49

211-MCC

Tutorials and Examples of Software and Methods for Social Media Analytics

Invited: Social Media Analytics

Invited Session

Chair: Theodore T Allen, Ohio State University, Columbus, OH, 43210, United States, allen.515@osu.edu

1 - NLP, LDA, SMERT, k-Means And Efficient Estimation Methods
Zhenhuan Sui, Ohio State University, sui.19@osu.edu

2 - Innovative Scheduling And Kriging-Based Optimization Methods In VBA
Sayak Roychowdhury, Ohio State University, rowchowdhury.6@osu.edu

3 - Cybersecurity Using Interdiction
Murat Karatas, University of Texas, Manor Road, Austin, TX, 78722, United States, mkaratas@utexas.edu, Nedialko Dimitrov

■ MA50

212-MCC

Life After the PhD: Early Career Development Panel

Sponsored: Minority Issues

Sponsored Session

Moderator: Julie Ivy, North Carolina State University, 111 Lampe Drive, Raleigh, NC, 27695, United States, jsivy@ncsu.edu

1 - Life after The PhD: Early Career Development Panel
Panelist: Julie Ivy, North Carolina State University, jsivy@ncsu.edu

■ MA51

213-MCC

New Models in Criminology

Sponsored: Public Sector OR

Sponsored Session

Chair: Lawrence Wein, Stanford University, 655 Knight Way, Stanford, CA, 94305, United States, lwein@stanford.edu

1 - Machine Learning For Crime Series Detection And Criminal Recidivism Prediction
Cynthia Rudin, Duke University, LSRC Building D101, 308 Research Drive Campus Box 90129, Durham, NC, 27708-0129, United States, cynthia@cs.duke.edu, Berk Ustun, Tong Wang

2 - Optimizing Ballistic Imaging Operations
Can Wang, Stanford University, Stanford, CA, United States, canw@stanford.edu, Mardy Beggs-Cassin, Lawrence M Wein

3 - Using Informed Heuristics For Pretrial Release
Jongbin Jung, Stanford University, jongbin@stanford.edu

4 - Assessing Risk-based Policies For Pretrial Release And Split Sentencing In Los Angeles County Jails
Lawrence Wein, Stanford University, lwein@stanford.edu Mericcan Usta

■ MA52

214-MCC

Recent Developments in Humanitarian Logistics

Sponsored: Public Sector OR

Sponsored Session

Chair: Kezban Sokat, Northwestern University, 2145 Sheridan Road, Room C210, Evanston, IL, 60208, United States, kezban.yagcisokat@u.northwestern.edu

1 - The Vaccination Campaign Routing Problem
Melih Celik, Middle East Technical University, Ankara, Turkey, cmelih@metu.edu.tr, Bahar Cavdar, Haldun Sural

2 - Cash, Vouchers Or In-kind Aid: A Game Theory Approach To Determine Optimal Aid Transfers
Christos Bitos, Kühne Logistics University, Hamburg, Germany, Christos.Bitos@the-klu.org, Maria Besiou

3 - An Agent-based Modeling Approach To Assess Coordination Among Humanitarian Relief Providers
Jessica Heier Stamm, Kansas State University, Manhattan, KS, United States, jlhs@k-state.edu, Megan Menth

4 - Real-time Data In Humanitarian Response
Kezban Yagci Sokat, Northwestern University, kezban.yagcisokat@u.northwestern.edu, Irina Dolinskaya, Karen Smilowitz

■ MA53

Music Row 1- Omni

Decision Analytics for Technology Management

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Chair: Tugrul Daim, Professor, Portland State University, Engineering and Technology Management Department, P.O. Box 751, Portland, OR, 972070751, United States, ji2td@pdx.edu

1 - GPS For Innovation
Jianxi Luo, Singapore University of Technology & Design, luo@sutd.edu.sg

2 - Integrating Bibliometrics And Social Network Analysis For Identifying Knowledge Sources
Tugrul U Daim, Portland State University, ji2td@pdx.edu, Edwin Garces

3 - Evaluating Research Centers: Case Of NSF's I/URUC Program
Elizabeth Gibson, Portland State University, 14396 SW Pennywort Ter, Tigard, OR, 97224, United States, elgibson@pdx.edu

4 - Design Support Of Salient Research Project By Integrated Approach Of Text And Citation Analysis
Yuya Kajikawa, Tokyo Institute of Technology, kajikawa@mot.titech.ac.jp

■ MA54

Music Row 2- Omni

Analytics and Operations Research for the IT Services Industry

Sponsored: Service Science

Sponsored Session

Chair: Aly Megahed, IBM Research - Almaden, 650 Harry Road - Office D3-428, San Jose, CA, 95120, United States, aly.megahed@us.ibm.com

1 - Maximum Accuracy Is Not Always Optimal
Ray Strong, IBM, San Jose, CA, United States, hrstrong@us.ibm.com, Aly Megahed, Janet Blomberg, Pablo Pesce, Yasuharu Katsuno, Sunhwan Lee

2 - An Optimization Approach To Revenue Forecasting In Multi-Staged Sales Pipelines
Aly Megahed, IBM, San Jose, CA, United States, aly.megahed@us.ibm.com, Peifeng Yin, Hamid Reza Motahari Nezhad

3 - Value Of Integrated Travel Data To The Organization Productivity
Pawan Chowdhary, Senior Research Engineer, IBM Research, 650 Harry Road, E3-238, San Jose, CA, 95120, United States, chowdhar@us.ibm.com, Guangjie Ren, Raphael Arar

■ MA55

Music Row 3- Omni

Modeling, Optimization, and Data Analytic in the Service Industry

Sponsored: Service Science

Sponsored Session

Chair: Mohammad Sadegh Mobin, Western New England University, Springfield, MA, United States, mm337076@wne.edu

Co-Chair: Zhaojun Li, Western New England University, Springfield, MA, United States, zhaojun.li@wne.edu

1 - Resource Balancing In Intermodal Freight Networks
Amirali Ghahari, University of Arkansas, 4116 Bell Engineering Center, Fayetteville, AR, 72701, United States, aghahari@uark.edu, Edward A Pohl

2 - A Modified Age Replacement Model
Maryam Hamidi, University of Arizona, mhamidi@email.arizona.edu

3 - Maximizing Availability In Operations And Maintenance Planning Of Airline Fleet
Javad Seif, Graduate Research Assistant, University of Tennessee-Knoxville, Tullahoma, TN, 37388, United States, jseif@utk.edu, Andrew Junfang Yu

■ MA56

Music Row 4- Omni

Economics of IS in the Age of Big Data

Sponsored: EBusiness

Sponsored Session

Chair: Wael Jabr, Georgia State University, 35 Broad Street, Robinson College of Business, Atlanta, GA, 30303, United States, wjabr@gsu.edu

1 - Antecedents And Consequences Of Information Augmentation In Make-to-order Electronic Supply Chain
Ling Xue, Georgia State University, lxue5@gsu.edu
Arun Rai, Peijian Song, Cheng Zhang

2 - Opening The Black Box: The Impact Of Telehealth And Latent Health Status On Patient Readmissions
Sezgin Ayabakan, The University of Baltimore, Baltimore, MD, 21201, United States, sayabakan@ubalt.edu
Indranil R Bardhan, Zhiqiang Eric Zheng

3 - Leveraging Customer Feedback Through App Reviews
Kambiz Saffarizadeh, Georgia State University, Atlanta, GA, United States, ksaffarizadeh1@Student.gsu.edu, Wael Jabr, Mark Keil

4 - Crisis Management Of Customer Sentiments In Social Media: Empirical Study
Kyungsun Rhee, University of Washington, 4725 24th Avenue NE, # 405, Seattle, WA, 98105, United States, ksr22@uw.edu

■ MA57

Music Row 5- Omni

The George B. Dantzig Dissertation Prize

Invited: The George B. Dantzig Dissertation Prize

Invited Session

Chair: Henri Groenevelt, University of Rochester, W. E. Simon Graduate School of Business Administration, Rochester, NY, 14627, United States, groenevelt@simon.rochester.edu

1 - Dynamic Monitoring And Control Of Irreversible Chronic Diseases With Application To Glaucoma
Pooyan Kazemian, Harvard Medical School, Boston, MA, United States, pooyan.kazemian@mgh.harvard.edu

2 - Multiple Criteria Decision Engineering To Support Management In Military Healthcare And Logistics Operations
Nathaniel D. Bastian, Pennsylvania State University, 137 Arbor Bluff Drive, Pleasant Gap, PA, 16823, United States, nathaniel.bastian@fulbrightmail.org

3 - Smarter Tools For (Citi) Bike Sharing
Eoin O'Mahony, Uber, Itaca, NY, United States, eoin@uber.com

4 - Optimizing A Menu Of Multi-format Subscription Plans For Ad-Supported Media Platforms
Vamsi Krishna Kanuri, University of Miami, 501 Kosar Epstein Bldg, School of Business Administration, Coral Gables, FL, 33146, United States, vkanuri@bus.miami.edu

5 - Stochastic Models To Optimize Biomanufacturing Operations
Tugce Martagan, Eindhoven University of Technology, School of Industrial Engineering, Eindhoven, Netherlands, t.g.martagan@tue.nl

■ MA58

Music Row 6- Omni

Energy V

Contributed Session

Chair: Jaeyoung Cho, Assistant Professor, Lamar University, 6195 N Major Dr., Beaumont, TX, 77713, United States, jcho@lamar.edu

1 - A New Computational Method For Rolling-horizon Stochastic Optimization In Power Systems
Site Wang, Clemson University, Freeman Hall, Fernow Street, Clemson, SC, 20634, United States, sitew@clemson.edu
Harsha Gangammanavar, Sandra D Eksioglu, Scott J. Mason

2 - Greening The Vehicle Fleet: Evidence From Norway's Co2 Feebate
Shiyu Yan, Norwegian School of Economics, Bergen, Norway, shiyu.yan@nhh.no

3 - System Frequency Regulation In Renewable Dominated Power Systems With A Large Penetration Of Electric Vehicles
Miguel Carrion, Universidad de Castilla-La Mancha, Avda Carlos III s/n, Toledo, Spain, miguel.carrion@uclm.es, Rafael Zárate-Miñano

4 - Developing A Decision Support Tool For Expanding Waste-to-Energy Technology Within The Department Of Defense
Adam Haag, Lieutenant, Student, Naval Postgraduate School, Naval Postgraduate School, 1 University Circle, Monterey, CA, 93943, United States, achaag@nps.edu

5 - Multiple UAV Assisted Power Network Damage Assessment
Jaeyoung Cho, Assistant Professor, Lamar University, 6195 N Major Dr., Beaumont, TX, 77713, United States, jcho@lamar.edu
Gino J Lim, Seonjin Kim

■ MA59

Cumberland 1- Omni

Network Design and Operations

Sponsored: Transportation Science & Logistics

Sponsored Session

Chair: Ali Asadabadi, George Mason University, College Park, College Park, MD, 20783, United States, ali.asadabadi@gmail.com

1 - The High Speed Train Timetable Planning Problem For The Chinese Railways
Paolo Toth, University of Bologna, Bologna, Italy, paolo.toth@unibo.it

2 - Optimal Transportation And Shoreline Infrastructure Investment Planning Under Stochastic Climate Future
Ali Asadabadi, George Mason University - Fairfax, Fairfax, VA, 22030, United States, ali.asadabadi@gmail.com, Elise D Miller-Hooks

3 - Global Optimization Solution Methods For Transportation Network Design Problems
David Z.W. Wang, Nanyang Technological University, 50 Nanyang Avenue, Singapore, 639798, Singapore, wangzhiweiI@ntu.edu.sg

4 - Optimal Layout Of Transshipment Facilities Under Traffic Equilibrium In A Continuous Space
Zhaodong Wang, University of Illinois, Wright Street, Urbana, IL, 61801, United States, zwang137@illinois.edu
Yanfeng Ouyang

■ MA60

Cumberland 2- Omni

Fleet and Marketplace Optimization for Mobility-on-Demand (MOD) Systems

Sponsored: TSL, Urban Transportation

Sponsored Session

Chair: Samitha Samaranayake, Cornell University, 317 Hollister Hall, Ithaca, NY, 14853, United States, samitha@alum.mit.edu

1 - Queueing-theoretical Models For Mobility-on-demand Systems: Theory And Algorithms
Frederico Rossi, Stanford University, Stanford, CA, United States, frossi2@stanford.edu, Marco Pavone

2 - Fleet Management In Mobility-on-Demand Systems With Shared Rides
Samitha Samaranayake, Cornell University, samitha@alum.mit.edu

3 - Dynamic Pricing In Ride-share Platforms
Siddhartha Banerjee, Cornell University, sbanerjee@cornell.edu

4 - Marketplace Optimization At Uber
Robert Phillips, Uber, Palo Alto, CA, United States, robert.phillips@uber.com

■ MA61

Cumberland 3- Omni

Intermodal Transportation

Sponsored: Railway Applications

Sponsored Session

Chair: Mike D Prince, BNSF Railway, Fort Worth

1 - Intermodal Empty Railcar Distribution Optimization
Shantih Spanton, CSX Transportation, Jacksonville, FL, Shantih_Spanton@csx.com, Jagadish Jampani

2 - Intermodal Hub Simulation
Mike Prince, BNSF Railway, Contact: mike.prince@bnsf.com

3 - Utilizing Rail Information In Intermodal Operations
Georgi Tasev, Schneider, Contact: TasevG@Schneider.com

■ MA62

Cumberland 4- Omni

Determinants of Aviation Strategies and Market Outcomes

Sponsored: Aviation Applications

Sponsored Session

Chair:SufficMartin E Dresner, University of Maryland-College Park, R H Smith School of Business, College Park, MD, 20742, United States, mdresner@rhsmith.umd.edu

1 - The Impact Of Predicted Quality On Customer's Quality Assurance Behaviors In The Us Airline Industry
Woohyun Cho, University of New Orleans, New Orleans, LA, United States, wcho@uno.edu
Dong-jun Min, Pamela Kennett-Hensel

2 - Passenger Facility Charge Vs. Airport Improvement Program Funds: A Dynamic Network Dea Analysis For U.S. Airport Financing
Bo Zou, University of Illinois at Chicago, 2073 Engineering Research Facility, 842 West Taylor Street, Chicago, IL,n Univ60607, United States, bzou@uic.edu
Young-Tae Chang, Hyosoo Park, Nabin Kafle

3 - Measuring Competition Intensity And Product Differentiation: Evidence From The Airline Industry
Benny Mantin,University of Waterloo, bmantin@uwaterloo.ca
David Gillen, Tuba Delibasi

4 - Economic Effects Of European Union's External Aviation Policy
Megersa Abate, Swedish National Road and Transport Research Institute, megersa.abate@vti.se

■ MA63

Cumberland 5- Omni

Continuous Space Location Modeling

Sponsored: Location Analysis

Sponsored Session

Chair: John Gunnar Carlsson, University of Southern California, 3715 McClintock Ave, Los Angeles, CA, 90089, United States, spajcarlsso@usc.edu

1 - On The Dual And Rectangular Bounds For Continuous Facility Location Problem
Nadere Mansouri, SMU, nmansouri@mail.smu.edu
Halit Uster

2 - Delivering Packages Jointly With A Truck And A Drone
John Gunnar Carlsson, University of Southern California, jcarlsso@usc.edu

3 - The Competitive Fcility Location Problem Under Disruption Risks
Lawrence V Snyder, Associate Professor, Lehigh University, 200 West Packer Ave., Mohler Lab, Bethlehem, PA, 18015, United States, lvs2@lehigh.edu, Ying Zhang, Ted K Ralphs

■ MA64

Cumberland 6- Omni

MCDA Methods and Applications

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Roman Slowinski, Poznan University of Technology, Poland, roman.slowinski@cs.put.poznan.pl

1 - Context Matters: Effects Of Product Type And Information Overload On Choice Accuracy
Jyrki Wallenius, Professor, Aalto University School of Business, Helsinki, Finland, jyrki.wallenius@aalto.fi
Pekka J Korhonen, Pekka Malo, Tommi Juhani Pajala, Niklas Ravaja, Outi Somervuori

2 - Decision Under Risk And Uncertainty As A Multi-quantile Decision Problem
Roman Slowinski, Poznan University of Technology, Poznan, Poland, roman.slowinski@cs.put.poznan.pl
Salvatore Corrente, Salvatorend,&nbGreco, Benedetto Matarazzo

■ MA65

Mockingbird 1- Omni

Gamification and User Engagement

Sponsored: Information Systems

Sponsored Session

Chair: Lei Wang, Pennsylvania State University, University Park, PA, 16801, AssigUnited States, luw21@smeal.psu.edu

1 - Measuring The Impact Of Crowdsourcing On Mobile App User Engagement And Retention: A Randomized Field Experiment
Zhuojun Gu, Pennsylvania State University, zqg5077@psu.edu
Ravi Bapna, Jason Chan, AlokcustomGupta

2 - Cultivate Consumer Engagement With Mobile And Gamification
Lei Wang, Pennsylvania State University, State College, PA, 16802, United States, Lxluw21@smeal.psu.edu, Siyuan Liu

3 - What Do Mobile Applications Bring a Longer Tail? An Empirical Study Of Sales Concentration In Online Cchannels
Shahryar Doosti, University of Washington, Foster School of Business, Mackenzie Hall, Seattle, WA, 98195, United States, shahryar@uw.edu, Yong Tan, Youwei Wang

■ MA66

Mockingbird 2- Omni

Model Calibration

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Matthew Plumlee, University of Michigan, Ann Arbor, MI, United States, mplumlee@umich.edu

1 - Bayesian Calibration Of Inexact Computer Models
Matthew Plumlee, University of Michigan, mplumlee@umich.edu

2 - Stabilizing Gradient Enhanced Kriging With Sparsity Constraints
Peter Qian, University of Wisconsin,re thepeter.qian@wisc.edu

3 - Model Calibration With Censored Data
Fang Cao, Georgia Institute of Technology, Atlanta, SGA, United States, fcao6@gatech.edu, Shan Ba, William A Brenneman, Roshan Joseph

■ MA67

Mockingbird 3- Omni

Maintenance and Reliability Planning

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Murat Kurt, Merck & Co, Inc, 351 N. Sumneytown Pike, North Wales, PA, 19454, United States, murat.kurt7@gmail.com

Co-Chair: Anahita Khojandi, University of Tennessee, everykhojandi@utk.edu

1 - Optimal Design Of Hybrid Sequential Testing For A System With Mixtures Of One-shot Units
Yao Cheng, Rutgers University, Department of Industrial & Systems Engineering, Piscataway, NJ, 08809, United States, yao.cheng.ise@gmail.com, Elsayed Elsayed

2 - Wind Farm Replacement In A Markov Modulated Environment
David Abdul-Malak, University of Pittsburgh, dta10@pitt.edu, Jeffrey P. Kharoufeh

3 - An Enhanced Copula-based Prognosis For Proactive Maintenance Of Lithium-ion Batteries
Zhimin Xi, University of Michigan-Dearborn, zxi@umich.edu

4 - Optimizing Periodic Inspection Frequencies For a Class Of Stochastically Degrading Systems
David Kaufman, University of Michigan-Dearborn, Dearborn, MI, United States, davidlk@umich.edu, Mahboubeh Madadi, Murat Kurt

■ MA68

Mockingbird 4- Omni

Panel: IOT-enabled Data Analytics: Opportunities, Challenges and Applications

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Moderator: Kaibo Liu, kliu8@wisc.edu

1 - Lot-enabled Data Analytics: Opportunities, Challenges And Applications
Kaibo Liu, University of Wisconsin - Madison, kliu8@wisc.edu

2 - LoT And Data Analytics
Tobin Jansenberger, American Family Insurance, tjansenb@amfam.com

3 - LoT Analytics
Rong Duan, AT&T, rongduan@research.att.com

4 - LoT Data Analytics
Subrat Sahu, Caterpillar Inc, sahu_subrat@cat.com

■ MA69

Old Hickory- Omni

Game Theory and Competitive Applications

Sponsored: Military Applications

Sponsored Session

Chair: Brian J Lunday, Assistant Professor, Air Force Institute of Technology, 2950 Hobson Way, WPAFB, OH, 45433, United States, brian.lunday@afit.edu

1 - 1 Vs. (n-1) Modeling For Project Scheduling Interdiction
Zachary Little, The Perduco Group, 3610 Pentagon Boulevard #110, Beavercreek, OH, 45431, United States, zach.little@theperducogroup.com

2 - Approximate Dynamic Programming For Missile Defense Interceptor Fire Control
Matthew J Robbins, Air Force Institute of Technology, Wright-Patterson AFB, OH, United States, matthew.robbins@afit.edu, Michael T Davis, Brian J Lunday

3 - Containing The Mess Of Optional Meals Via Approximate Dynamic Programming
Sandra Jackson, Instructor, United States Military Academy, West Point, NY, United States, sandra.jackson@usma.edu, Keith DeGregory, Matthew Fletcher

4 - Heterogeneous Surface-to-air Defense Battery Location: A Game Theoretic Approach
Brian Lunday, Air Force Institute of Technology, brian.lunday@afit.edu
Nicholas Boardman, Matthew Jd Robbins

■ MA70

Acoustic- Omni

Transportation, Maritime I

Contributed Session

Chair: Hossein M Soroush, Kuwait University, Department of Statistics & Operations Research, PO Box 5969, Safat, 13060, Kuwait, h.soroush@ku.edu.kw

1 - Understanding Vehicle Movement Patterns With Artificial Neural Networks
Burak Cankaya, Lamar University, 13960 Hillcroft St. Apt 724, Houston, TX, 77085, United States, mbcankaya@gmail.com

2 - A Discrete Simulation Of A New Container Terminal – The Case Of Hamad Port Of Qatar
Ghaith Rabadi, Professor, Old Dominion University, Engineering Management Systems Engineering, Engineering Systems Building, Room 2102, Norfolk, VA, 23529, United States, grabadi@odu.edu
Mariam Kotachi, Moahmed K Msakni, Mohammad Al-Salem, Ali Diabat

3 - Modeling The Service Network In Container Terminals Considering Process Integration And Decomposition
Qingcheng Zeng, Professor, Dalian Maritime University, School of Transportation Management, Dalian, 116026, China, qzeng@dlmu.edu.cn

4 - A Vessel Scheduling Transportation-inventory Problem With Stochastic Demands
Hossein M Soroush, Kuwait University, Department of Statistics & Operations Research, P.O. Box 5969, Safat, 13060, Kuwait, h.soroush@ku.edu.kw
Salem Al-Yakoob

■ MA71

Electric- Omni

Supply Chain, Shipping I

Contributed Session

Chair: Tao Lu, Erasmus University, Rotterdam, Netherlands, lutao0927@hotmail.com

1 - Shipping Peak Demand For Online Sellers
Ju Myung (J.M.) Song, Rutgers Business School, PhD Program, Washington Park, Room 430C, Newark, NJ, 07102, United States, jumyungsong@gmail.com, Yao Zhao

2 - Explosive Storage Location Assignment Problem For Amazon Class Internet Fulfillment Warehouses
Sanchoy Das, New Jersey Institute of Technology, University Heights, Newark, NJ, 07102, United States, das@njit.edu, Jingran Zhang

3 - Analysis Of Hub Ports In Southeast Asia And Northeast Asia
Richard W Monroe, Longwood University, 7413 Nicklaus Cir, Farmville, VA, 23909, United States, monroerw@longwood.edu

4 - Approximate Dynamic Programming For An Empty Container Repositioning Problem In A Cyclic Route
Shaorui Zhou, Assistant Professor, Sun Yat-sen University, Guangzhou, China, zshaorui@gmail.com, Fan Wang

5 - Shipping To Time-sensitive Customers With Competing Carriers
Tao Lu, Erasmus University,o applRotterdam, Netherlands, lutao0927@hotmail.com, Ying-Ju Chen, Jan C Fransoo, Chung-Yee Lee

■ MA72

Bass- Omni

Supply Chain Mgt V

Contributed Session

Chair: Youran Fu, University of Pennsylvania, 3730 Walnut Street, Room 532, Philadelphia, PA, 19104, United States, youranfu@wharton.upenn.edu

1 - Coordinating A Textile Supply Chain In Post Multi Fibre Agreement Era: A Developing Economy Perspective
Arnablass=″Bisi, Johns Hopkins University Carey Business School, 100 International Drive, Baltimore, MD, 21202, United States, abisi1@jhu.edu, Arnab Adhikari, Badrifrom mNarayanan

2 - Coordination And Competition In A Supply Chain: Franchise Contract And Facility Sharing Contract
Tulika Mukherjee, Postdoctoral Fellow, Concordia University, 1455 Boulevard de Maisonneuve, Montreal, QC, H3G 1M8, Canada, jum.tulika@gmail.com

3 - How Prominence Effect & Repeated Channel Interactions Can Lead To Slotting Allowances
Yourann Fu, University of Pennsylvania, 3730 Walnut Street, Room 532, Philadelphia, PA, 19104, United States, youranfu@wharton.upenn.edu, JiaqiconfliXu, Gerard P Cachon

■ MA79

Legends G- Omni

Health Care, Modeling V

Contributed Session

Chair: Erin Garcia, Graduate Student, Georgia Institute of Technology, 755 Ferst Drive, Atlanta, GA, 30332, United States, egarcia3@gatech.edu

1 - Analysis Of Blood Banking System Operations At The Time Of Low Demand
Amir H. Masoumi, Assistant Professor of Management, Manhattan College, 4513 Manhattan College Parkway, Bronx, NY, 10471, United States, amir.masoumi@manhattan.edu, Min Yu

2 - Reducing Operating Room Time In Robotic Surgery Using Simulation
Yueran Zhuo, University of Massachusetts Amherst, 121 Presidents Drive, Amherst, MA, 01003, United States, yzhuo@som.umass.edu, Senay Solak

3 - Scheduling Multidisciplinary Cancer Clinics
Anne G. Leeftink, University of Twente, Enschede, Netherlands, a.g.leeftink@utwente.nl, Ingrid M. Vliegen, Erwin Hans

4 - Seasonal Variations In Spatial Access To Pediatric Asthma Treatment Across The US
Erin Garcia, Graduate Student, Georgia Institute of Technology, 755 Ferst Drive, Atlanta, GA, 30332, United States, egarcia3@gatech.edu

■ MA86

Gibson Board Room-Omni

Marketing I

Contributed Session

Chair: Libo Sun, PhD Student, University of Science and Technology of China, 96# Jinzhai Road, Hefei, Anhui, PR China, Hefei, 230026, China, libosun@mail.ustc.edu.cn

1 - Mindfulness Effect On Technology Acceptance Process In The Context Of Bounded Rationality
Emine Erdogan, PhD Candidate, Rutgers The State University of New Jersey, Newark, NJ, 07102, United States, ee134@scarletmail.rutgers.edu

2 - Considering Customer Representatives' Risk Preference: Acquisition And Retention Delegation Strategies Under The Spoiling Effect
Yi Liao, Professor, Southwestern University of Finance and Economics, 425 Mount Prospect Avenue, 404, Newark, NJ, 07104, United States, yiliaoswufe@gmail.com

3 - Price Competition And Direct-to-consumer Advertising In Prescription Drug Markets
Abhik Roy, Professor, Quinnipiac University, Department of Marketing, School of Business (SB-DNF), Hamden, CT, 06518-1949, United States, abhik.roy@quinnipiac.edu
Mary Schramm

4 - A Dominant Retailer's Strategic Response To More Efficient Weak Retailer
Ehsan Bolandifar, Assistant Professor, Chinese University of Hong Kong, 9/F, Cheng Yu Tung Buliding, No., 12, Chak Cheung Street, Shatin, N.T., Hong Kong, 999077, Hong Kong, ehsan@baf.cuhk.edu.hk, Zhong Chen, Fuqiang Zhang

5 - Direct Sales, Agent Selling or Reselling? Firms' Channel Structure With Consumers' Channel Preference
Libo Sun, PhD Student, University of Science and Technology of China, 96# Jinzhai Road, Hefei, Anhui, PR China, Hefei, 230026, China, libosun@mail.ustc.edu.cn, Yugang Yu

■ MA94

5th Avenue Lobby-MCC

Technology Tutorial: MathWorks/Artelys

Technology Tutorial

1 - MathWorks: Data Analytics With MATLAB
Mary Fenelon, MathWorks, Natick, MA, United States, mary.fenelon@mathworks.com

2 - Artelys: Solving Large Least-Squares Models With The Artelys Knitro Nonlinear Optimization Solver
Richard Waltz, Artelys, 150 N Michigan Avenue, Suite 800, Chicago, IL, 60601, United States, Richard.waltz@artelys.com

Monday, 10:00AM - 10:50AM

■ Monday Plenary

Davidson Ballroom-MCC

Philip McCord Morse Lecture: Margaret L. Brandeau

Plenary Session

Chair: Mike Magazine, University of Cincinnati, Cincinnati, OH 45221-0130, mike.magazine@uc.edu

1 - Public Health Preparedness: Answering (Largely Unanswerable) Questions With Operations Research
Margaret Brandeau, Stanford University, Stanford, CA, United States, brandeau@stanford.edu

Monday, 11:00AM - 12:30PM

■ MB01

101A-MCC

Data Mining Under Uncertainty

Sponsored: Data Mining

Sponsored Session

Chair: Erhun Kundakcioglu, Ozyegin University, Nisantepe District Orman Street / Cekmekoy, Istanbul, 34794, Turkey, erhun.kundakcioglu@ozyegin.edu.tr

1 - Approximation Algorithms For Solving Large-scale Classification Problems
Neng Fan, University of Arizona, nfan@email.arizona.edu

2 - Margin Maximization Via Benders Decomposition To Solve Multiple Instance Learning Problems
Emel Seyma Kucukasci, Istanbul Commerce University, Istanbul, 34840, Turkey, eskucukasci@ticaret.edu.tr
Emel Seyma Kucukasci, Bogazici University, Istanbul, 34342, Turkey, eskucukasci@ticaret.edu.tr, Mustafa Gokce Baydogan

3 - Response Modeling With Semi-supervised Support Vector Regression
Dongil Kim, Korea Institute of Industrial Technology, 89 Yangdaegiro-gil, Ipjang-myeon, Seobuk-gu, Cheonan, Korea, Republic of, dikim01@kitech.re.kr, Sungzoon Cho

4 - Support Vector Linear Regression With Multiple Instance Data
Ihsan Yanikoglu, Ozyegin University, Istanbul, Turkey, ihsan.yanikoglu@ozyegin.edu.tr, Erhun Kundakcioglu

■ MB02

101B-MCC

Data Mining in Healthcare

Sponsored: Data Mining

Sponsored Session

Chair: Ramin Moghaddass, University of Miami, 1251 Memorial Drive, MEB 308, Coral Gables, FL, 33146-0630, United States, ramin@miami.edu

1 - A Simple And Direct Projection Approach To Handling Covariate Shift
Fulton Wang, MIT, fultonw@mit.edu

2 - Optimized Risk Scores In Healthcare Applications
Berk Ustun, MIT, ustunb@mit.edu, Cynthia Rudin

3 - Making Impact Through Identifying Impactable Members
Margrét Bjarnadóttir, University of Maryland, margret@rhsmith.umd.edu

■ MB03

101C-MCC

Daniel H. Wagner Prize Competition II

Invited: Daniel H. Wagner Prize Competition

Invited Session

Chair: C. Allen Butler, Daniel H Wagner Associates, Inc., 2 Eaton Street, Hampton, VA, 23669, United States, Allen.Butler@va.wagner.com

1 - Data-driven Optimization For Multi-disciplinary Staffing In Mayo Clinic Improves Patient Experience
Mutafa Y. Sir, Mayo Clinic, 200 First Street SW, Rochester, MN, 55905, United States, sir.mustafa@mayo.edu, David M Nestler, Thomas R. Hellmich, Devashish Das, Micheal J Laughlin, Michon Dohlman, Kalyan Pasupathy

2 - Optimizing New Vehicle Inventory At General Motors
Robert Inman, General Motors, 30500 Mound Road, Warren, MI, 48092, United States, robert.inman@gm.com, Michael Frick, Thomas Hitchman, Robert Muiter, Jonathan Owen, Gerald Takasaki

■ MB04

101D-MCC

Topics in Power Generation Scheduling

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Yongpei Guan, University of Florida, 303 Weil Hall, Gainesville, FL, 32611, United States, guan@ise.ufl.edu

1 - Stochastic Scheduling For Large Scale Wind Integrated Power Systems
Lixin Tang, The Institute of Industrial Engineering and Logistics Optimization, Northeastern University, Insititue of Industrial Engineering and, Logistics Optimization, Northeastern, Shenyang, 110004, China, lixintang@mail.neu.edu.cn, Jin Lang

2 - A Decomposition Approach For Hydropower Operation And Maintenance Scheduling
Miguel F. Anjos, Professor and Canada Research Chair, GERAD & Polytechnique Montreal, Montreal, QC, Canada, miguel-f.anjos@polymtl.ca, Jesus A. Rodriguez, Pascal Côté, Charles Audet

3 - A Polyhedral Study Of The Integrated Minimum-up/-down Time And Ramping Polytope
Yongpei Guan, University of Florida, Gainesville, FL, United States, guan@ise.ufl.edu, Kai Pan

4 - Integrated Expansion Planning Framework For Interconnected Power Systems; Heat Supply; And Gas Infrastructure
Yasaman Mozafari, University of Calgary, Calgary, AB, Canada, y.mozafari@ucalgary.ca, William Rosehart

■ MB05

101E-MCC

2016 INFORMS BOM Section Best Working Paper Awards

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Stephen Leider, University of Michigan, Ann Arbor, MI, leider@umich.edu

1 - A Behavioral Study On Abandonment Decisions In Multi-Stage Projects
Javad Nasiry, Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong, nasiry@ust.hk, Xiaoyang Long, Yaozhong Wu, Yaozhong Wu

2 - Ideation-Execution Transition In Product Development
Evgeny Kagan, University of Michigan, Ann Arbor, MI, kagan@umich.edu, Stephen Leider, William Lovejoy

3 - Impact of Queue Configuration On Service Time: Evidence From A Supermarket
Yong-Pin Zhou, University of Washington, Seattle, WA, yongpin@uw.edu, Jingqi Wang

■ MB06

102A-MCC

Data Mining in Text Analytics

Sponsored: Data Mining

Sponsored Session

Chair: Onur Seref, Virginia Tech, Pamplin 1007, Blacksburg, VA, 24061, United States, seref@vt.edu

1 - Tracking The Evolution Of User Interests In Online Communities
Theodoros Lappas, Stevens University of Technology, tlappas@stevens.edu

2 - A Network-based Model For Conversation Decomposition In Text Mining
Sukhwa Hong, Virginia Tech, Blacksburg VA, United States, sukhwa@vt.edu, Onur Seref, Michelle Seref, Alan Abrahams

3 - Two Are Better Than One? An Empirical Study On Crowd Performance For Stock Prediction
Hong Hong, Xiamen University, Xiamen, China, hongh@vt.edu Qianzhou Du, Alan G. Wang, Weiguo Fan, Di Xu

4 - An Intelligent Multilayer Hotel Recommender System
Ashkan Ebadi, University of Florida, Gainesville, FL, United States, ashkan.ebadi@ufl.edu, Adam Krzyzak

■ MB07

102B-MCC

New Product Development

Invited: New Product Development

Invited Session

Chair: Jeremy Kovach, TCU, Fort Worth, TX, 76109, United States, j.j.kovach@tcu.edu

1 - An Economic Model Of Knowledge Outsourcing
Jaeseok Lee, Georgia Institute of Technology, 710 Peachtree St. NE, Apt. 312, Atlanta, GA, 30308, United States, jaeseok.lee@scheller.gatech.edu, Cheryl Gaimon, Karthik Ramachandran

2 - Effect Of Incentive Design On Location Decision Of Collaborative Product Development Teams
Sara Rezaee Vessal, HEC Paris, sara.rezaee-vessal@hec.edu Svenja C Sommer

3 - Optimal Price And Customization Of A Conspicuous Product
Cheryl Druehl, George Mason University, cdruehl@gmu.edu, Jesse Bockstedt

4 - Modeling Product Demand Using Customer Review Data
Hallie Cho, INSEAD, hallie.cho@insead.edu, Sameer Hasija, Manuel Sosa

■ MB08

103A-MCC

Empirical Research in Operations and Service Innovation

Invited: Business Model Innovation

Invited Session

Chair: Jose A Guajardo, University of California - Berkeley, Berkeley, CA, United States, jguajardo@berkeley.edu

1 - Corporate Responsibility Or Greenwashing? An Empirical Analysis Of The Social Impact Of Corporate Social Responsibility Activities
Jun Li, Ross School of Business, University of Michigan, junwli@umich.edu, Andrew Wu

2 - Surfacing The Submerged State: Operational Transparency Increases Trust In And Engagement With Government Services
Ryan Buell, Harvard Business School, rbuell@hbs.edu Ethan Porter, Michael Norton

3 - Mobile Technology In Retail
Jose A Guajardo, University of California-Berkeley, jguajardo@berkeley.edu

4 - Ration Gaming And The Bullwhip Effect: A Structural Econometric Study
Rob Bray, Kellogg, robertlbray@gmail.com

■ MB09

103B-MCC

Development of Electricity Systems

Invited: Energy Systems Management

Invited Session

Chair: Todd Levin, Argonne National Laboratory, 970 S. Cass Avenue, Lemont, IL, 60439, United States, tlevin@anl.gov

1 - Capacity Expansion Planning With Intermittent Energy Resources
Dong Gu Choi, Pohang University of Science and Technology (POSTECH), Pohang, Korea, Republic of, dgchoi@postech.ac.kr, Daiki Min, Jonghyun Ryu

2 - Optimal Capacity Planning In Non-Interconnected Regions: Case Of Saudi Arabia
Bandar Alqahtani, Duke University, 9 Circuit drive, Box 90328, Durham, NC, 27514, United States, dalia.patino@duke.edu, Dalia Patino Echeverri

3 - Examining Life Cycle Environmental Impacts Of Energy Storage For Power System Reserves
Jeremiah Johnson, University of Michigan, Ann Arbor, MI, United States, jxjohns@umich.edu, Yashen Lin, Noah Mitchell-Ward, Johanna Mathieu

4 - Demand Response Resource Quantification With Detailed Building Energy Models
Elaine Thompson Hale, Senior Engineer, National Renewable Energy Laboratory, Golden, CO, United States, elaine.hale@nrel.gov, Henry Horsey, Noel Merket, Brady Stoll, Ambarish Nag

■ MB10

103C-MCC

Energy Models: Diversity and Complementarity

Sponsored: Energy, Natural Res & the Environment, Energy II Other

Sponsored Session

Chair: Denis Lavigne, Royal Military College St-Jean, St-Jean-sur-Richelie, QC, Canada, denis.lavigne@cmrsj-rmcsj.ca

1 - OSeMOSYS And LEAP Energy Modeling Using an Extended UTOPIA Model
Denis Lavigne, Professor, Royal Military College St-Jean, C.P. 100, succ. Bureau-chef, Richelain, QC, J0J 1R0, Canada, denis.lavigne@cmrsj-rmcsj.ca

2 - Complementarity Modeling Of Electricity And Renewable Energy Credit Markets To Inform Effective Renewable Energy Policy Formation
Kristen R. Schell, Postdoctoral Fellow, University of Michigan, Ann Arbor, MI, United States, krschell@umich.edu Joao Claro, Manuel Loureiro

3 - The Application Of Promethee With Prospect Theory - opportunities And Challenges The Application Of Promethee With Prospect Theory In The Context Of Energy Sector Management
Jutta Geldermann, Prof. Dr., Georg-August-University Goettingen, Platz der Goettinger Sieben 2, Goettingen, 37073, Germany, jgelder@gwdg.de, Katharina Stahlecker, Nils Lerche

4 - Multi-stage Investment Decisions In Renewable Generating Capacity: Comparison Of Different Approaches
Maria Ruth Dominguez Martin, PhD, University of Castilla - La Mancha, Avenida Carlos III, s/n, Toledo, 45071, Spain, Ruth.Dominguez@uclm.es, Miguel Carrion, Antonio J. Conejo

■ MB11

104A-MCC

Network Optimization Models and Applications II

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Jose Luis Walteros, University at Buffalo, SUNY, 413 Bell Hall, Buffalo, NY, 14213, United States, josewalt@buffalo.edu

1 - Integer Programming Models For Bipartitioning A Graph Enforcing Structure Constraints
Chrysafis Vogiatzis, North Dakota State University, chrysafis.vogiatzis@ndsu.edu

2 - Computing The Maximum Lifetime Flow Of A Network With Short Node Lifetimes
Hugh Medal, Mississippi State University, hugh.medal@msstate.edu

3 - A Stochastic Programming Approach For Selecting Inland Waterway Maintenance Projects
Khatereh Ahadi, University of Arkansas, Fayetteville, AR, United States, kahadi@uark.edu, Kelly Sullivan

4 - Convoy Formation Process
Azar Sadeghnejad Barkousaraie, University at Buffalo (SUNY), Buffalo, NY, United States, azarsade@buffalo.edu, Rajan Batta, Moises Sudit

■ MB12

104B-MCC

Joint Session APS/Optimization: Advances in Causal Inference Using Optimization

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Nathan Kallus, Cornell University and Cornell Tech, 111 8th Avenue #302, New York, NY, 10011, United States, kallus@cornell.edu

Co-Chair: Juan Pablo Vielma, Massachusetts Institute of Technology, Cambridge, MA, United States, jvielma@mit.edu

Co-Chair: Jose R. Zubizarreta, Columbia University, New York, NY, United States, zubizarreta@columbia.edu

1 - Multivariate Matching Methods For Causal Inference That Are Balance-variance Pareto Optimal And Optimal Kernel Matching
Nathan Kallus, Assistant Professor, Cornell University and Cornell Tech, 111 8th Avenue #302, New York, NY, 10011, United States, kallus@cornell.edu

2 - Large-scale Optimal Matching For Design-based Inference Using Integer Programming
Jose R. Zubizarreta, Columbia, New York, NY, United States, zubizarreta@columbia.edu, Juan Pablo Vielma

3 - Leveraging Multiple Outcomes In Matched Observational Studies
Colin Fogarty, Massachusetts Institute of Technology, Cambridge, MA, United States, colin.b.fogarty@gmail.com

■ MB13

104C-MCC

Uncertain Linear Optimization

Sponsored: Optimization, Global Optimization

Sponsored Session

Chair: Jiming Peng, associate professor, University of Houston, 4800 Calhoun Road, Houston, TX, 77204, United States, jopeng@uh.edu

1 - Assessing Systemic Risk In Financial Market Under Uncertain Liabilities
Jiming Peng, University of Houston, jopeng@uh.edu

2 - Vulnerability Analysis Of Financial Networks
Aein Khabazian, University of Houston, aeinkhabazian@gmail.com
Jiming Peng

3 - A Copositive Perspective On Two-stage Adjustable Robust Linear Programming
Guanglin Xu, University of IOWA, guanglin-xu@uiowa.edu

■ MB14

104D-MCC

Data Analytics

Sponsored: Analytics

Sponsored Session

Chair: Harrison Schramm, CANA Advisors, 1, Pacific Grove, CA, 93950, United States, harrison.schramm@gmail.com

1 - Robust Non Parametric Tests To Identify Treatment Effects
Noor E. Alam. M.D., Northeastern University, md.alam@neu.edu

2 - Linear Probability Models And Big Data: Prediction, Inference, And Selection Bias
Galit Shmueli, National Tsing Hua University, Hsinchu, Taiwan, galit.shmueli@iss.nthu.edu.tw, Suneel Babu Chatla

3 - Managing Brokers For The Sales Of A Complex New Product
Vahideh Abedi, California State University Fullerton, Fullerton, CA, United States, vabedi@fullerton.edu, Rahul Bhaskar

■ MB15

104E-MCC

Stochastic and First-order Methods for Data Analysis

Invited: Modeling and Methodologies in Big Data

Invited Session

Chair: Guanghui Lan, Gatech, Atlanta, GA, United States, george.lan@isye.gatech.edu

1 - An Optimal Randomized Incremental Gradient Method
Yi Zhou, Georgia Institute of Technology, yizhou@gatech.edu

2 - Decentralized Primal-dual Gradient Method
Soomin Lee, Georgia Institute of Technology, Atlanta, GA, United States, soomin.lee@isye.gatech.edu

3 - Decomposing Linearly Constrained Nonconvex Problems By A Proximal Primal Dual Approach
Mangyi Hong, Iowa State University, mingyi@iastate.edu

■ MB16

105A-MCC

Data-driven and Robust Optimization

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Linwei Xin, U of Illinois at Urbana-Champaign, Urbana, IL, 61801, United States, lxin@illinois.edu

1 - Distributionally Robust Stochastic Optimization With Wasserstein Distance
Rui Gao, Georgia Institute of Technology, rgao32@gatech.edu, Anton J Kleywegt

2 - Robust Extreme Event Analysis
Clementine Mottet, Boston University, cmottet@bu.edu, Henry Lam

3 - Data-driven Optimization Of Reward-risk Ratio Measures
Ran Ji, George Mason University, Fairfax, VA, 22030, United States, jiran@gwu.edu, Miguel Lejeune

4 - Two-stage Distributionally Robust Unit Commitment Using Moment Information
Yuanyuan Guo, University of Michigan, yuanyg@umich.edu
Ruiwei Jiang

■ MB17

105B-MCC

Risk Measures on Stochastic Programs

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Saravanan Venkatachalam, Wayne State University, 42 W. Warren Ave, Detroit, MI, 48202, United States, saravanan.v@wayne.edu

1 - A Computational Study Of Recent Approaches To Risk-averse Stochastic Optimization
Alexander Vinel, Auburn University, 3301 Shelby Center, Auburn, AL, 36849, United States, alexander.vinel@auburn.edu

2 - Risk Parity In The Context Of Risk-averse Stochastic Optimization
Nasrin Mohabbati Kalejahi, PhD Student, Auburn University, Auburn, AL, United States, nasrin@auburn.edu, Alexander Vinel

3 - Computational Study For Two-stage Stochastic 0-1 Integer Programs With Absolute Semi Deviation Risk Measure
Saravanan Venkatachalam, Wayne State University, Saravanan.v@wayne.edu, Lewis Ntaimo

4 - Decomposition For Multistage Stochastic Programs With Quantile And Deviation Risk Measures
Prasad Parab, PhD Student, Texas A&M University, College Station, TX, United States, prasaddparab@tamu.edu, Lewis Ntaimo

■ MB18

106A-MCC

Recent Advances in Theory and Applications of IPCO

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Manish Bansal, Northwestern University, C234 Technological Institute, 2145 Sheridan Road, Evanston, IL, 60202, United States, manish.bansal@northwestern.edu

1 - Decomposition For Loosely Coupled Mixed-integer Programs: A Multiobjective Perspective
Merve Bodur, Georgia Institute of Technology, merve.bodur@gatech.edu, Natashia Boland, Shabbir Ahmed, George L Nemhauser

2 - Maximum Demand Rectangular Location Problem
Manish Bansal, Northwestern University, Evanston, IL, United States, manish.bansal@northwestern.edu, Kiavash Kianfar

3 - Cutting Planes fromMultiple-term Disjunctions
Egon Balas, Carnegie Mellon University, eb17@andrew.cmu.edu

■ MB19

106B-MCC

Models and Methods for Large-Scale Mixed-Integer Optimization

Sponsored: Computing

Sponsored Session

Chair: Simge Kucukyavuz, Ohio State University, Ohio State University, Columbus, OH, United States, kucukyavuz.2@osu.edu

1 - Two-stage Stochastic Programming Models Under Multivariate Risk Constraints
Merve Merakli, Ohio State Universtity, Columbus, OH, United States, merakli.1@osu.edu, Simge Kucukyavuz, Nilay Noyan

2 - Chance-constrained Stochastic Programming Under Variable Reliability Levels With An Application To Humanitarian Relief Network Design
Özgün Elçi, Sabanci University, Istanbul, 34956, Turkey, nnoyan@sabanciuniv.edu, Nilay Noyan, Kerem Bulbul

3 - Bilevel Risk Averse Formulations Of Stochastic Programming Problems
Deniz Eskandani, Rutgers University, 100 Rockafeller Rd, Piscataway, NJ, 08854, United States, deniz.eskandani@rutgers.edu
Jonathan Eckstein

4 - Irreducible Infeasible Subsystem Decomposition For Stochastic Integer Programs With Probabilistic Constraints
Lewis Ntaimo, Associate Professor, Texas A&M University, College Station, TX, United States, ntaimo@tamu.edu
Bernardo Pagnoncelli

■ MB20

106C-MCC

Research and Teaching Opportunities in Project Management

Invited: Tutorial

Invited Session

Chair: Nicholas G Hall, Ohio State University, 658 Fisher Hall, 2100 Neil Avenue, Columbus, OH, 43210-1144, United States, hall.33@osu.edu

1 - Research And Teaching Opportunities inProject Management
Nicholas G Hall, Ohio State University, 658 Fisher Hall, 2100 Neil Avenue, Columbus, OH, 43210-1144, United States, hall.33@osu.edu

■ MB21

107A-MCC

Applications of Stochastic Models in Medical Decision Making Problems

Sponsored: Health Applications

Sponsored Session

Chair: Mohammad Reza Skandari, University of British Columbia, #420 2053 Main Mall, Vancouver, BC, V6T-1Z2, Canada, reza.skandari@sauder.ubc.ca

1 - Patient-centered HIV Viral Load Monitoring Strategies In Resource-limited Settings
Diana Maria Negoescu, University of Minnesota, negoescu@umn.edu, Heiner Bucher, Eran Bendavid

2 - Timing The Use Of Breast Cancer Risk Information In Biopsy Decision Making
Mehmet Ayvaci, University of Texas at Dallas, Jindal School of Management, Dallas, TX, United States, ayvaci@stanford.edu, Mehmet Eren Ahsen, Srinivasan Raghunathan, Zahra Gharibi

3 - Developing Near-optimal Biomarker-based Prostate Cancer Screening Strategies
Christine Barnett, University of Michigan, Ann Arbor, MI, United States, clbarnet@umich.edu
Brian Denton

4 - Optimizing Breast Cancer Diagnostic Decisions While Minimizing Overdiagnosis
Sait Tunc, University of Wisconsin-Madison, Madison, WI, United States, stunc@wisc.edu, Oguzhan Alagoz, Elizabeth S Burnside

■ MB22

107B-MCC

Policy Evaluation from Operations to Public Health

Invited: ORinformed Healthcare Policies

Invited Session

Chair: Diwakar Gupta, University of Minnesota and National Science Foundation, Minneapolis, MN, United States, guptad@umn.edu

1 - Facilitating Early Diagnosis Of Tuberculosis In India
Sarang Deo, Indian School of Business, sarang_deo@isb.edu

2 - Casualty Distribution To Hospitals In The Aftermath Of Mass-casualty Events
Nilay T Argon, University of North Carolina, Chapel Hill, NC, 27514, United States, nilay@unc.edu, Alex Mills, Serhan Ziya

3 - Hospital-physician Gainsharing Contract Design
Diwakar Gupta, University of Minnesota, Minneapolis, MN, United States, guptad@umn.edu, Mili Mehrotra, Xiaoxu Tang

■ MB23

108-MCC

Healthcare Analytics: Collaborations with Practitioners

Sponsored: Health Applications

Sponsored Session

Chair: Bruce L Golden, University of Maryland-College Park, 1, Simpsonville, MD, 2, United States, bgolden@rhsmith.umd.edu

Co-Chair: Sean Barnes, Univ of Maryland-College Park, 4352 Van Munching Hall, University of Maryland, College Park, MD, 20742, United States, sbarnes@rhsmith.umd.edu

1 - Understanding Emergency Department Jumper Behavior: Actionable Insights From Claims Data Using Machine Learning
Xia (Summer) Hu, University of Maryland - College Park, College Park, MD, 20740, United States, xhu64@umd.edu
Sean Barnes, Margret Bjarnadottir, Bruce L Golden

2 - Impact Of State And Federal Policy Changes By Socioeconomic Status On Emergency Medicine Practice In Maryland
David Anderson, CUNY Baruch, davidryberganderson@gmail.com, Edward Andrew Wasil, Bruce L Golden, Laura Pimentel, Jon Mark Hirshon, Fermin Barrueto

3 - Risk-adaptive E-triage In Emergency Medicine: A Prospective Analysis
Scott R Levin, Johns Hopkins School of Medicine, slevin33@jhmi.edu, Matthew Toerper, Diego A. Martinez, Heather Gardener, Eric Hamrock, Sean Barnes

4 - An Evolutionary Computation Approach For Optimizing Multi-level Data To Predict Individual Patient Outcomes
Sean Barnes, Univ of Maryland-College Park, sbarnes@rhsmith.umd.edu, Suchi Saria, Scott R Levin

5 - Control System For Electronic Triage In The Emergency Department: Integrating The User Into Development Loop
Diego A. Martinez, Scott R. Levin, Johns Hopkins University School of Medicine, Baltimore, MD, dmart101@jhmi.edu

■ MB24

109-MCC

Strategy and Uncertainty

Invited: Strategy Science

Invited Session

Chair: Hart Posen, University of Wisconsin, University, Milwaukee, WI, 4, United States, hposen@bus.wisc.edu

1 - High On Innovation: The Impact Of Liberalization Policies On Creative Outcomes
Laurina Zhang, Ivey Business School, Western University, London, ON, Canada, lzhang@ivey.uwo.ca, Keyvan Vakili

2 - Seeding The S-curve? The Role Of Early Adopters In Diffusion
Christian Catalini, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA, 00, United States, catalini@mit.edu, Catherine Tucker

3 - The AQ Model Of Probabilistic Judgment And Patterns Of Risk And Return
Ulrik W. Nash, University of Southern Denmark, Odense, Denmark, uwn@sod.dias.sdu.dk

4 - The Impact Of Learning And Overconfidence On Entrepreneurial Entry And Exit
Hart E Posen, University of Wisconsin-Madison, Madison, WI, 53705, United States, hposen@wisc.edu, John Chen, David Croson, Daniel Elfenbein

■ MB25

110A-MCC

Project Management Methodologies

Invited: Project Management and Scheduling

Invited Session

Chair: Yael S Grushka-Cockayne, Darden School of Business, Charlottesville, VA, United States, GrushkaY@darden.virginia.edu

1 - Multifarious Project Management Methodologies
Vered Holzmann, Tel Aviv University, veredhz@post.tau.ac.il, Yael S Grushka-Cockayne, Hamutal Weisz, Daniel Zitter

2 - Limiting Financial Risk From Catastrophic Events In Project Management.
Peter D Simonson, North Dakota State University, Fargo, ND, United States, psimonson@mac.com, Joseph Szmerekovsky

■ MB26

110B-MCC

Assignment and Matching Markets

Invited: Auctions

Invited Session

Chair: Thayer Morrill, North Carolina State University, Raleigh, NC, United States, thayermorrill@gmail.com

1 - Which School Assignments Are Legal?
Thayer Morrill, North Carolina State University, thayermorrill@gmail.com

2 - School Choice Under Partial Fairness
Umut Dur, North Carolina State University, udur@ncsu.edu

3 - Optimization In Team Formation
Hoda Atef-Yekta, University of Connecticut, Hoda.AtefYekta@business.uconn.edu

■ MB27

201A-MCC

Empirical Research in Operations

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Antonio Moreno-Garcia, Kellogg School of Management, 2001 Sheridan Rd, Evanston, IL, 60208, United States, a-morenogarcia@kellogg.northwestern.edu

1 - Regulation And Efficiency In Government Procurement: A Regression Discontinuity Approach
Juan Camilo Serpa, McGill University, Montreal, QC, Canada, juan.serpa@mcgill.ca, Ruomeng Cui, Eduard Calvo

2 - On The Competitive And Collaborative Implications Of Category Captainship
Yasin Alan, Vanderbilt University, Nashville, TN, United States, yasin.alan@owen.vanderbilt.edu, Jeffrey P Dotson, Mumin Kurtulus

3 - The Effects Of Menu Costs On Operational Efficiency In Retail
Yannis Stamatopoulos, McCombs School of Business, Austin, TX, United States, yannis.stamos@mccombs.utexas.edu, Antonio Moreno-Garcia, Achal Bassamboo

4 - The Value Of Fit Information In Online Retail: Evidence From A Randomized Field Experiment
Santiago Gallino, Dartmouth College, Hanover, NH, santiago.gallino@tuck.dartmouth.edu, Antonio Moreno-Garcia

■ MB28

201B-MCC

New Models for Pricing

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Gustavo Vulcano, NYU, 44 West Fourth St, New York, NY, 10012, United States, gvulcano@stern.nyu.edu

1 - The Theory Of Large-scale Bundle Size Pricing
Tarek Abdallah, New York University, New York, NY, United States, tabdalla@stern.nyu.edu, Arash Asadpour, Joshua Reed

2 - Coordinating Supply And Demand On An On-demand Service Platform: Price, Wage, And Commission Rate
Jiaru Bai, University of California- Irvine, Irvine, CA, 92617, United States, jiarub@uci.edu, Kut C So, Christopher S Tang, Hai Wang, Xiqun Chen

3 - Price Competition With Consumer Price Perception
Dana Popescu, INSEAD, dana.popescu@insead.edu

■ MB29

202A-MCC

Incentive Mechanisms and Sustainability

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Xi Chen, University of Michigan-Dearborn, 2290 HPEC, 4901 Evergreen Rd, Dearborn, MI, 48128, United States, xichenxi@umich.edu

1 - Distribution Strategies For Supporting Poor Retailers In Developing Countries
Luyi Gui, The Paul Merage School of Business, UC Irvine, luyig@uci.edu

2 - The Impact Of Product Design On Closed Loop Supply Chain Coordination: Incentives For Input Material Reduction Vs. Enhanced Recycling
Tolga Aydinliyim, Baruch College, Tolga.Aydinliyim@baruch.cuny.edu, Eren Basar Cil, Nagesh N Murthy

3 - The Effectiveness Of Consumption- Versus Production-based Emission Tax Under Demand Uncertainty
Xi Chen, University of Michigan-Dearborn, xichenxi@umich.edu

4 - Incentives And Emission Responsibility Allocation In Supply Chains
Sanjith Gopalakrishnan, University of British Columbia, Vancouver, BC, Canada, sanjith.gopalakrishnan@sauder.ubc.ca, Daniel Granot, Frieda Granot, Greys Sosic, Hailong Cui

■ MB30

202B-MCC

Sustainable Supply Chains

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Vishal Agrawal, Georgetown University, 37th and O Streets, Washington, DC, 20057, United States, Vishal.Agrawal@georgetown.edu

1 - An Analysis Of Recycled Content Claims Under Demand Benefit And Supply Uncertainty
Aditya Vedantam, State University of New York at Buffalo, Buffalo, NY, United States, adityave@buffalo.edu, Ananth V Iyer, Paul Lacourbe

2 - How Does Precision Affect The Adoption Of Energy Efficiency Practices? - Evidence From The Field And Laboratory Data
Suresh Muthulingam, The Pennsylvania State University, State College, PA, United States, suresh@psu.edu, Saurabh Bansal

3 - Government Subsidies For Green Technology Development Under Technology Uncertainty
Seung Hwan Jung, Washington University in St. Louis, St Louis, MO, United States, seunghwan.jung@wustl.edu, Tianjun Feng, Fuqiang Zhang

4 - Price Vs. Revenue Protection: An Analysis Of Government Subsidies In The Agriculture Industry
Foad Iravani, University of Washington, Seattle, WA, United States, firavani@uw.edu, Saed Alizamir, Hamed Mamani

■ MB31

202C-MCC

Operations and Finance Interface

Sponsored: Manufacturing & Service Oper Mgmt, iFORM

Sponsored Session

Chair: Fehmi Tanrisever, Bilkent University, 6800 Bilkent, Ankara, Turkey, tanrisever@bilkent.edu.tr

1 - Mitigating Disruption Risks In Delivery Supply Chains To Serve Contracted Customers
Mert Hakan Hekimoglu, Rensselaer Polytechnic Institute, Troy, NY, United States, hekimm@rpi.edu, John H Park, Burak Kazaz

2 - Competitiveness Of Supply Chains: A Financial Market Perspective
Gerd J. Hahn, German Graduate School of Management and Law, Heilbronn, Germany, gerd.hahn@ggs.de, Jochen Becker

3 - Managing Price And Demand Risk In Flour Milling
Fehmi Tanrisever, Bilkent University, Bilkent University, Merkez Kampus Lojmanlari 80/5, Ankara, 06800, Turkey, tanrisever@bilkent.edu.tr, Junchi Tan, Zumbul Atan

■ MB32

203A-MCC

Structural Estimation in Operations

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Gabriel Weintraub, Columbia University, New York, NY, United States, gweintraub@columbia.edu

1 - The Efficacy Of Incentives In Scaling Up Marketplaces
Ashish Kabra, INSEAD, Boulevard de constance, Fontainebleau, 77305, France, ashish.kabra@insead.edu, Elena Belavina, Karan Girotra

2 - Spatial Competition And Preemptive Entry In The Discount Retail Industry
Fanyin Zheng, Columbia Business School, fz2225@gsb.columbia.edu

3 - Ergodicity And The Estimation Of Markov Decision Processes
Robert Bray, Kellogg, r-bray@kellogg.northwestern.edu

4 - When Demand Projections Are Too Optimistic: A Structural Model Of Product Line Decisions
Andres I Musalem, U. de Chile / Complex Engineering Systems Institute, Beauchef 851, Santiago, 8370456, Chile, amusalem@duke.edu

■ MB33

203B-MCC

Simulation II

Contributed Session

Chair: Li Li, Southwest Jiaotong University, No.111, North Section Second Ring Road, Chengdu, China, speciallili@home.swjtu.edu.cn

1 - Operationalizing Industry Cluster Strategies
Tayo Fabusuyi, Numeritics & Carnegie Mellon University, 5520 Baywood Street, Floor #3, Pittsburgh, PA, 15206, United States, tfabusuyi@cmu.edu, Juergen Pfeffer

2 - A Comparison Of Gaussian Process Modeling Software
Collin Erickson, Northwestern University, 2145 Sheridan Road, Room C210, Evanston, IL, 60208, United States, collinerickson@u.northwestern.edu, Bruce Ankenman, Susan M Sanchez

3 - Time Management Policies In A Queueing System
Ji-Eun Kim, PhD Student, The Pennsylvania State University, Imperial Towers, University Park, PA, 16801, United States, jxk594@psu.edu, David A. Nembhard, Hyeong Suk Na

4 - Coordinating Station And Network Capacity In Urban Rail Transit System
Li Li, Southwest Jiaotong University, No.111, North Section 1, Second Ring Road, Chengdu, China, speciallili@home.swjtu.edu.cn, Haifeng Yan, Gongyuan Lu, Wu You

■ MB34

204-MCC

Simulation and Stochastic Optimization

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Douglas Morrice, University of Texas-Austin, 2110 Speedway Stop B6500, Austin, TX, 78712-1750, United States, douglas.morrice@mccombs.utexas.edu

1 - Multimodularity In The Stochastic Appointment Scheduling Problem With Discrete Arrival Epochs
Christos Zacharias, Assistant Professor, University of Miami, Coral Gables, FL, United States, czacharias@miami.edu, Tallys Yunes

2 - Appointment Scheduling With Multiple Providers And Stochastic Service Times
Michele Samorani, Santa Clara University, Santa Clara, CA, United States, samorani@ualberta.ca, S Abolfazl Soltani, Bora Kolfal

3 - Coordinated Appointment Scheduling Of An Integrated Practice Unit
Douglas Morrice, The University of Texas, Austin, douglas.morrice@mccombs.utexas.edu, Dongyang Ester Wang, Kumar Muthuraman, Jonathan F Bard, Luci Leykum, Susan Noorily

■ MB35

205A-MCC

Empirical Research in Healthcare Operations

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Mor Armony, New York University, Stern School of Business, New York, NY, 10012, United States, marmony@stern.nyu.edu

1 - Refining Workload Measure In Hospital Units: From Census To Acuity-adjusted Census In Intensive Care Units
Song-Hee Kim, Marshall School of Business, University of Southern California, Los Angeles, CA, United States, songheek@marshall.usc.edu, Edieal Pinker, Joan Rimar, Elizabeth Bradley

2 - Data-driven Appointment Scheduling Under Uncertainty: The Case Of An Infusion Unit In An Oncology Center
Nikolaos Trichakis, MIT, Cambridge, MA, United States, ntrichakis@mit.edu, Avishai Mandelbaum, Petar Momcilovic

3 - The Effect Of Online Reviews On Physician Demand: A Structural Model Of Patient Choice
Yuqian Xu, NYU, yxu@stern.nyu.edu, Mor Armony, Anindya Ghose

■ MB36

205B-MCC

Empirical and Theoretical Models in Supply Chains

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Anyan Qi, The University of Texas at Dallas, Business School, Richardson, TX, 11111, United States, axq140430@utdallas.edu

Co-Chair: Ozge Sahin, Johns Hopkins University, 100 International Drive, Baltimore, MD, 21202, United States, ozge.sahin@jhu.edu

1 - Assessing Uncertainty From Point Forecasts
Zhi Chen, INSEAD, Singapore, Singapore, Zhi.Chen@insead.edu, Anil Gaba, Dana Popescu

2 - Analytical And Empirical Study Of Complementarities In An Online Advertising Supply Chain And Their Impact On Optimal Operating Policies And Profits
Changseung Yoo, PhD Student, The University of Texas at Austin, Austin, TX, United States, changseung.yoo@phd.mccombs.utexas.edu, Anitesh Barua, Genaro Gutierrez

3 - Supplier Centrality And Auditing Priority In Socially Responsible Supply Chains
Jiayu Chen, The University of Texas at Dallas, Richardson, TX, United States, jxc144030@utdallas.edu, Anyan Qi, Milind Dawande

4 - Dynamic Coordination In A Supply Chain With Production Capacity Uncertainty
Zhongjie Ma, Purdue University, 403 W State Street, West Lafayette, IN, 47906, United States, ma220@purdue.edu, Qi Feng, J. George Shanthikumar

■ MB37

205C-MCC

Socially and Environmentally Responsible Operations Management

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Michael Lim, U of Illinois at Urbana-Champaign, Champaign, IL, United States, mlim@illinois.edu

Co-Chair: Karthik Murali, University of Alabama, Tuscaloosa, Tuscaloosa, AL, United States, kmurali@cba.ua.edu

1 - Optimal Feed-in Tariff Policies: The Role Of Technology Manufacturers
Shadi Goodarzi, HEC, Paris, France, shadi.goodarzi@hec.edu Sam Aflaki, Andrea Masini

2 - Product Allocation Under The Risk Of Recall
Long He, National University of Singapore, longhe@nus.edu.sg, Ying Rong, Zuo-Jun Max Shen

3 - Reducing Carbon Emissions In Grocery Retail
Ekaterina Astashkina, INSEAD, Boulevard de Constance, Fontainebleau, 77305, France, ekaterina.astashkina@insead.edu, Elena Belavina

4 - Optimizing Water Pollution Monitoring System: Regulation Policy Guideline For Curbing Nutrient Pollution
Michael Lim, U of Illinois at Urbana-Champaign, Champaign, IL, 61820, United States, mlim@illinois.edu

■ MB38

206A-MCC

Behavioral Modeling with Social Data

Invited: Social Media Analytics

Invited Session

Chair: Tauhid Zaman, MIT, 77 Mass Ave, Boston, MA, 02139, United States, zlisto@mit.edu

1 - Optimal Policies For Finding Users Hiding In Social Networks
Christopher Marks, MIT, cemarks@mit.edu

2 - Optimal Following Policies In Social Networks Using Integer Programming And Network Centrality
Tauhid Zaman, Massachusetts Institute of Technology, zlisto@mit.edu, Krishnan Rajagopalan

3 - Bayesian Inference Of User Geolocation Using Social Media Activity Time Series
Matthew Robert Webb, MIT, Cambridge, MA, United States, mrwebb@mit.edu

4 - The Value Of Social Media To Online Content
Michael Zhao, MIT, Cambridge, MA, United States, mfzhao@mit.edu, Sinan Aral

■ MB39

207A-MCC

Panel: Future of Applied Probability

Sponsored: Applied Probability

Sponsored Session

Chair: David Goldberg, GA Institue of Technology, Atlanta, GA, United States, dgoldberg9@isye.gatech.edu

1 - Future Of Applied Probability
David Goldberg, GA Institue of Technology, 755 Ferst Drive, Atlanta, GA, 30332-0205, United States, dgoldberg9@isye.gatech.edu

2 - Panelists
Applied Probability Community, Applied Probability Community, INFORMS, Catonsville, MD, 21228, United States, meetings@informs.org

■ MB41

207C-MCC

Advances in Quantitative Finance

Sponsored: Financial Services

Sponsored Session

Chair: Rafael Mendoza, McCombs School of Business, University of Texas, Austin, TX, 78712, United States, rafael.mendoza-arriaga@mccombs.utexas.edu

1 - On Latency And Volatility
Richard Sowers, University of Illinois, r-sowers@illinois.edu

2 - Energy Production & Games With Stochastic Demand
Ronnie Sircar, Princeton, sircar@princeton.edu

3 - Welfare Analysis Of Dark Pools
Krishnamurthy Iyer, Cornell University, Ithaca, NY, United States, kriyer@cornell.edu, Ramesh Johari, Ciamac Cyrus Moallemi

■ MB42

207D-MCC

Crowd-Commerce Applications in Operations and Revenue Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Rene A Caldentey, University of Chicago, Chicago, IL, United States, rene.caldentey@chicagobooth.edu

Co-Chair: Yifan Feng, The University of Chicago, 5807 S Woodlawn Ave, Chicago, IL, 60637, United States, yfeng4@chicagobooth.edu

1 - Learning Customer Preferences Through Crowdvoting
Yifan Feng, University of Chicago, Chicago, IL, 60637, United States, yfeng4@chicagobooth.edu, Rene A Caldentey, Christopher Ryan

2 - Simultaneous Vs. Sequential Crowdsourcing Contests
Lu Wang, University of Toronto, Rotman School of Management, 105 St George Street, Toronto, ON, M5S 3E6, Canada, lu.wang12@rotman.utoronto.ca, Ming Hu

3 - Contests And Inequality
Mohamed Mostagir, University of Michigan, Ann Arbor, MI, United States, mosta@umich.edu, Yesim Orhun, Hamidreza Tavafoghi

■ MB43

208A-MCC

Applied Decision Analysis

Sponsored: Decision Analysis

Sponsored Session

Chair: Saurabh Bansal, Penn State University, Penn State University, State College, PA, 16802, United States, sub32@psu.edu

1 - Analyzing Both The Cost And Strategic Value Of Sustainable Supply Chains
Jason Merrick, Virginia Commonwealth University, jrmerric@vcu.edu, Paul Brooks, Lance Saunders

2 - Eliciting Newsvendor Quantile: Direct Or Decomposed Assessments?
Saurabh Bansal, Penn State, sub32@psu.edu

3 - Supporting The Prioritization Of Emerging Animal Health Threats For The UK Department Of Agriculture With Decision Analysis
Gilberto Montibeller, Loughborough University, Loughborough, United Kingdom, g.montibeller@lboro.ac.uk
Gilberto Montibeller, Decision Consulting Ltd., Leicester, United Kingdom, g.montibeller@lboro.ac.uk, L. Alberto Franco

4 - How Did We Integrate Optimization And Machine Learning In our Solution Tool at Mckinsey
Halil I Cobuloglu, Sr. Research Analyst, McKinsey & Company, 404 Wyman Street, Waltham, MA, 02451, United States, halil.cobuloglu@gmail.com, Dimitris Bertsimas, Nathan Uhlenbrock, Prodipto Ghosh

■ MB44

208B-MCC

Panel: Advice from Award Winning Researchers

Sponsored: Decision Analysis

Sponsored Session

Moderator: Andrea Hupman Cadenbach, University of Missouri - St. Louis, St Louis, MO, United States, cadenbach@umsl.edu

1 - Panelist
L Robin Keller, Professor, University of California - Irvine, Irvine, CA, United States, LRKeller@uci.edu

2 - Panelist
James S Dyer, University of Texas - Austin, j.dyer@mccombs.utexas.edu

3 - Panelist
Robert Clemen, Duke University, clemen@duke.edu

4 - Panelist
Ali E Abbas, Professor and Director of DECIDE, University of Southern California, Los Angeles, CA, 90089, United States, aliabbas@usc.edu

■ MB45

209A-MCC

Advances in Simulation Optimization

Sponsored: Simulation

Sponsored Session

Chair: Weiwei Chen, Assistant Professor, Rutgers Business Schoo l, 1 Washington Park, Newark, NJ, 07901, United States, wchen@business.rutgers.edu

Co-Chair: Siyang Gao, City University of Hong Kong, City University of Hong Kong, Kowloon, Hong Kong, siyangao@cityu.edu.hk

1 - Generalized Likelihood Ratio Method For Stochastic Derivative Estimation
Yijie Peng, Fudan University, pengy10@fudan.edu.cn, Michael Fu, Jianqiang Hu

2 - Advanced Simulation Optimization Approach
Loo Hay Lee, National University of Singapore, iseleelh@nus.edu.sg, Chun-Hung Chen

3 - Challenges In Applying Ranking And Selection After Search
David Eckman, Cornell University, Ithaca, NY, United States, dje88@cornell.edu, Shane Henderson

4 - A Partition-based Random Search For Stochastic Constrained Optimization Via Simulation
Weiwei Chen, Rutgers Business School, wchen@business.rutgers.edu, Siyang Gao

■ MB46

209B-MCC

Revenue Management and Assortment Optimization

Sponsored: Revenue Management & Pricing"

Sponsored Session

Chair: Hamid Nazerzadeh, University of Southern California, Marshall School of Business, Los Angeles, CA, 90089, United States, nazerzad@marshall.usc.edu

1 - Real-time Optimization Of Personalized Assortments
Negin Golrezaei, University of Southern California, golrezae@usc.edu

2 - Online Personalized Resource Allocation With Customer Choice
Van-Anh Truong, Columbia University, New York, NY, United States, vt2196@columbia.edu, Guillermo Gallego, Anran Li, Xinshang Wang

3 - Assortment Personalization In High Dimension
Madeleine Udell, Cornell University, Ithaca, NY, United States, udell@cornell.edu, Nathan Kallus

4 - Position Auctions With Search Cost
Heng Zhang, University of Southern California, Heng.Zhang.2019@marshall.usc.edu, Leon Yang Chu, Hamid Nazerzadeh

■ MB47

209C-MCC

Multi-product Revenue Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: David Simchi-Levi, Massachusetts Institute of Technology, Cambridge, MA, United States, dslevi@mit.edu

Co-Chair: He Wang, MIT, 77 Massachusetts Ave, Cambrdige, MA, 02139, United States, wanghe@mit.edu

1 - Reaping The Benefits Of Bundling Under High Production Costs
Will Ma, MIT, willma353@gmail.com, David Simchi-Levi

2 - New Algorithms And Guarantees For Assortment Optimization Under General Choice
Clark Pixton, MIT, Cambridge, MA, United States, cpixton@mit.edu, David Simchi-Levi

3 - Using Early Click Information In Online Flash Sales Campaigns
Stefano Nasini, Assistant Professor, IESEG School of Management, Lille/Paris, France, s.nasini@ieseg.fr, Victor Martínez de Albéniz, Arnau Planas

4 - Offline Assortment Optimization In The Presence Of An Online Channel
Srikanth Jagabathula, NYU Stern School of Business, New York, NY, United States, sjagabat@stern.nyu.edu, Daria Dzyabura

■ MB48

210-MCC

Marketing Insights from Social Media

Invited: Social Media Analytics

Invited Session

Chair: David A. Schweidel, Emory University, 1300 Clifton Road NE, Atlanta, GA, 30322, United States, dschweidel@emory.edu

1 - Is All That Twitters Gold? Effects Of Online Chatter On Stock Market Returns And Stock Market Volatility
Abhishek Borah, University of Washington, abhi7@uw.edu

2 - Social TV, Advertising, And Sales
Beth L. Fossen, Kelley School of Business, Indiana University, Bloomington, IN, United States, bfossen@indiana.edu
David A Schweidel

3 - Modeling Latent Homophily In Large-scale Social Networks: A Markov Random Field Approach
Liye Ma, University of Maryland, liyema@rhsmith.umd.edu

4 - Deriving Brand Insights With Social Media Analytics
David A Schweidel, Emory University, dschweidel@emory.edu

■ MB49

211-MCC

Predicting Business Outcomes Using Social Media

Invited: Social Media Analytics

Invited Session

Chair: Youran Fu, University of Pennsylvania, Philadelphia, PA, United States, youranfu@wharton.upenn.edu

1 - The Operational Value Of Social Media Information
Ruomeng Cui, Kelley School of Business, Indiana University, cuir@indiana.edu, Santiago Gallino, Antonio Moreno-Garcia, Dennis Zhang

2 - Stock Market Movement Prediction Using Disparate Data Sources: A Probabilistic Prediction Model
Bin Weng, Auburn Univeristy, Auburn, AL, 36849, United States, bzw0018@auburn.edu, Hamidreza Dolatsara, Fadel Mounir Megahed

3 - The Value Of Social Media Data In Color Trends Forecasting
Youran Fu, The Wharton School, University of Pennsylvania, Philadelphia, PA, 19104, United States, youranfu@wharton.upenn.edu, Marshall L Fisher

4 - Understanding The Role And Impact Of Discussions On The Quality Of User Generated Content – The Case Of Wikipedia.
Srikar Velichety, University of Arizona, srikarv@email.arizona.edu

■ MB50

212-MCC

MIF Rising Young Scholars Award

Sponsored: Minority Issues

Sponsored Session

Chair: Julie Ivy, North Carolina State University, 111 Lampe Drive, Campus Box 7906, Raleigh, NC, 27695, United States, jsivy@ncsu.edu

1 - MIF Rising Young Scholars Award
Julie Ivy, North Carolina State University, jsivy@ncsu.edu

■ MB51

213-MCC

Community-Based Operations Research I

Sponsored: Public Sector OR

Sponsored Session

Chair: Michael P Johnson, Associate Professor, University of Massachusett - Boston, McCormack Hall, 3rd Floor, Room 428A, 100 Morrissey Blvd., Boston, MA, 02125, United States, Michael.Johnson@umb.edu

1 - Pro Bono Analytics - What Nonprofits Can Learn From Operations Researchers, And Vice Versa
David Hunt, Oliver Wyman, david.hunt@oliverwyman.com
Michael P Johnson

2 - Is Crime A Real Estate Problem? A Case Study Of The Neighborhood Of East Liberty, Pittsburgh
Tayo Fabusuyi, Numeritics & Carnegie Mellon University, Pittsburgh, PA, United States, tfabusuyi@cmu.edu

3 - Can Improving Youth Decision-making Skills Make Them Less Vulnerable For Sex Traffickers?
Kendra Taylor, KEYfficiencies, Inc, Atlanta, GA, United States, Kendra@KEYfficiencies.com

4 - Measuring Success: Community Analytics For Local Economic Development
Michael P Johnson, University of Massachusetts Boston, michael.johnson@umb.edu

■ MB52

214-MCC

Resilience Management Concepts for Infrastructure and Service Systems

Sponsored: Public Sector OR

Sponsored Session

Chair: Joost Santos, George Washington University, 800 22nd St NW, Suite 2830, GWU Science and Engineering Hall, Washington, DC, 20052, United States, joost@gwu.edu

1 - Evaluation Of Resilient Point-of-use Water Treatment Technologies Using Multi-attribute Decision-making Analysis
Sheree Ann Pagsuyoin, University of Massachussetts Lowell, sheree_pagsuyoin@uml.edu, Joost Reyes Santos, Jana S Latayan

2 - Decision Analytics Using Plural Resilience Metrics For Adaptive Supply Chain Management
Shital Thekdi, University of Richmond, sthekdi@richmond.edu, Joost Reyes Santos

3 - Integrating Community Capitals With Resilient Insurance Strategies For Flood Risk Mitigation
Leyla Sadigh, Research Assistant, George Washington University, Washington, DC, 20052, United States, leyla.sadigh@arup.com Ajita Atreya, Ekundayo Shittu

4 - Development Of Multi-attribute Decision Framework For Selecting Flow Control Structures In Irrigation Canals
Sheree Pagsuyoin, University of Massachussetts Lowell, MA, sheree_pagsuyoin@uml.edu

■ MB53

Music Row 1- Omni

Emerging Scholars in Technology Management

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Chair: Gulru Ozkan-Seely, University of Washington Bothell, School of Business, 18115 Campus Way NE, Box 358584, Bothell, WA, 98011, United States, gulru@uw.edu

1 - What Is The Role Of The State In Entrepreneurship And Venture Performance?
Daniel Armanios, Carnegie Mellon University, darmanios@cmu.edu

2 - The Digital Commons: Tragedy Or Opportunity? The Effect Of Crowdsourced Digital Goods On Innovation And Economic Growth
Frank Nagle, University of Southern California, naglef@marshall.usc.edu

3 - Optimal Award Scheme In Innovation Tournaments
Ersin Korpeoglu, UCL School of Management, e.korpeoglu@ucl.ac.uk, Laurence Ales, Soo-Haeng Cho

4 - Demand Heterogeneity And The Adoption Of Platform Complements
Joost Rietveld, Rotterdam School of Management, rietveld@rsm.nl, J P Eggers

5 - Extreme Performance In Creative Settings: Where Do Stars Come From?
Haibo Liu, University of California Riverside, Riverside, CA, United States, Haibo.Liu@ucr.edu, Jurgen Mihm, Manuel Emilio Sosa

■ MB54

Music Row 2- Omni

Optimal Services and Coordination Strategies of O2O Channel in Fast Fashion Supply Chain

Sponsored: Service Science

Sponsored Session

Chair: Qi Xu, Donghua University, Glorious Sun School of Business and Management, Donghua University, Shanghai, 200051, China, xuqi@dhu.edu.cn

1 - Coordination In Apparel Dual-channel Supply Chain With Asymmetric Cost Information
Qi Xu, Donghua University, Shanghai, China, xuqi@dhu.edu.cn, Wenjie Wang

2 - Optimal Service Decision Consideration Demand Shift Between Online And Offline In Supply Chain System
Dandan Fan, Donghua University, sunshinemarcle@163.com

3 - Impact Of Experience Service On Fast Fashion Retail O2O Channel
Lixia Xu, Donghua University, Shanghai, China, 37857909@qq.com

4 - Fast Fashion O2o Channel Optimal Service Under Different Revenue Model
Qi Xu, Donghua University, xuqi@dhu.edu.cn, Fan Dandan

■ MB55

Music Row 3- Omni

Inventory Management I

Contributed Session

Chair: Jagtej S Bewli, Director, Product Management, WalmartLabs, 850 Cherry Avenue, San Bruno, CA, 94066, United States, jbewli@walmartlabs.com

1 - Inventory And Transportation Decisions For Two-echelon Closed-loop Supply Chain Under Emission Constraint
Jian Li, PhD Candidate, Xi'an Jiaotong University, No.28 Westing Xianning Road, Xi'an, +86-029-710049, China, ljlcxwxz@stu.xjtu.edu.cn, Qin Su

2 - An Inventory Problem With Substitution And Bayesian Estimation
Ulku Gurler, Professor, Bilkent University, Department of Industrial Engineering, Ankara, 06800, Turkey, ulku@bilkent.edu.tr

3 - Managing Perishable Inventory Systems With Multiple Demand Classes
Rui Chen, University of Toronto, 105 St George St, Toronto, ON, M5S 3E6, Canada, rui.chen@rotman.utoronto.ca Hossein Abouee Mehrizi, Opher Baron, Oded Berman

4 - The Design Of A Responsive Vaccine Supply Chain By The Incorporation Of Production Capacity Into The Guaranteed Service Approach
Stef Lemmens, KU Leuven, Naamsestraat 69 Box 3555, VAT BE 0419.052.173, Leuven, 3000, Belgium, stef.lemmens@kuleuven.be, Catherine Jenny Decouttere, Nico Vandaele, Mauro Bernuzzi, Amir Reichman

5 - Portfolio Management Approach To Inventory Optimization
Jagtej S Bewli, Director, Product Management, WalmartLabs, 850 Cherry Avenue, San Bruno, CA, 94066, United States, jbewli@walmartlabs.com

■ MB56

Music Row 4- Omni

Firm Competitive Strategies

Sponsored: EBusiness

Sponsored Session

Chair: Chao Ding, University of Hong Kong, KKL 807, Pok Fu Lam, Hong Kong, chao.ding@hku.hk

1 - Promotion Design In Free To Play Mobile Games
Sean Raphael Marston, Western Kentucky University, sean.marston@wku.edu, Ismail Civelek, Yipeng Liu

2 - Advertising Role Of Recommender Systems In Electronic Marketplaces: Is It A Boon Or A Bane For Competing Sellers?
Lusi Li, University of Texas at Dallas, Lusi.Li@utdallas.edu

3 - Competition And Efficiency In Express Service Industry
Yihong Hu, Assistant Professor, Tongji University, 1293, Siping Road, Tongji University, Shanghai, 200092, China, yhhu@tongji.edu.cn, Ruixia Shi

4 - The Centrality Of Ict In Network Structures Of Innovation And Impact On R&D
Rajib L Saha, Assistant Professor, Indian School of Business, Room 6123, AC6, Level 1, Hyderabad, 500032, India, Rajib_Saha@isb.edu, Aditya Karanam, Deepa Mani

■ MB57

Music Row 5- Omni

Queues and Customer Behavior

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Mirko Kremer, Frankfurt School of Finance and Management gGmbh, Sonnemannstrasse 9-11, Frankfurt, 60314, Germany, m.kremer@fs.de

1 - Last Place Aversion In Queues
Ryan Buell, Assistant Professor, Harvard Business School, Morgan Hall 429, Boston, MA, 02163, United States, rbuell@hbs.edu
Michael Norton, Jay Chakraborty

2 - Behavioral Drivers Of Routing Decisions: Evidence From Restaurant Table Assignment
Bradley R Staats, University of North Carolina at Chapel Hill, Campus Box 3490, McColl 4721, Chapel Hill, NC, 27599-3490, United States, bstaats@unc.edu, Fangyun Tan

3 - The Impact Of Delay Announcements: An Experimental Approach
Gad Allon, Northwestern University, Evanston, IN, United States, g-allon@kellogg.northwestern.edu, Achal Bassamboo, Mirko Kremer

4 - Diagnostic Accuracy In Congested Environment
Mirko Kremer, Frankfurt School of Finance and Management gGmbh, m.kremer@fs.de, Francis E DeVericourt

■ MB58

Music Row 6- Omni

Energy VI

Contributed Session

Chair: Luis Baringo, Universidad de Castilla-La Mancha, Av. Camilo José Cela s/n, E.T.S.I.Industriales, Ciudad Real, 13071, Spain, Luis.Baringo@uclm.es

1 - Resilient Based Power System Restoration On Sectionalized Grid
Saeedeh Abbasi, Research and Teaching Assistant, University of Houston, 9000 Braesmont Dr, Apt #4, Houston, TX, 77096, United States, sabbasi5@uh.edu, Masoud Barati, Gino J Lim

2 - A Generation Capacity Expansion Planning Model Considering Capacity Markets With High Wind Power Penetrations
Jonghwan Kwon, Arizona State University, 10410 N Cave Creek Rd, Tempe, AZ, 85020, United States, Jonghwan.Kwon@asu.edu, Zhi Zhou, Todd Levin, Fernando de Sisternes, Kory W Hedman, Audun Botterud

3 - Electricity Pooling Markets With Inelastic Demand
Mohammad Rasouli, PhD Candidate, University of Michigan, 430 S Fourth Ave, Ann Arbor, MI, 48104, United States, rasouli@umich.edu, Demosthenis Teneketzis

4 - Offering Strategy Of A Virtual Power Plant: A Stochastic Adaptive Robust Optimization Approach
Luis Baringo, Universidad de Castilla-La Mancha, Av. Camilo José Cela s/n, E.T.S.I. Industriales, Ciudad Real, 13071, Spain, Luis.Baringo@uclm.es, Ana Baringo

■ MB59

Cumberland 1- Omni

Connected and Automated Vehicles

Sponsored: Transportation Science & Logistics

Sponsored Session

Chair: Michael Levin, University of Texas, Austin, TX, United States, michaellevin@utexas.edu

1 - Modeling Spatiotemporal Propagation Of Information In a Connected Vehicle System With The Consideration Of Communication Capacity
Jian Wang, Purdue University, Lyles School of Civil Engineering, West Lafayette, IN, United States, wang2084@purdue.edu
Xiaozheng He, Yong Hoon kim, Srinivas Peeta

2 - Road In Transition: Autonomous Vehicle Manufacturer Strategies And Transportation Systems Performance
Mohamadhossein Noruzoliaee, University of Illinois at Chicago, Chicago, IL, United States, h.noruzoliaee@gmail.com, Bo Zou, Yang Liu

3 - A Cell Transmission Model For Dynamic Lane Reversal With AutonomousVehicles
Michael Levin, University of Texas, Austin, TX, United States, michaellevin@utexas.edu

4 - Integrated Mode Choice And Assignment-simulation Framework With Automated Transit Vehicles
Omer Verbas, Northwestern University, Transportation Center, Evanston, IL, 60208, United States, omer@northwestern.edu
Hani S Mahmassani, Michael F. Hyland

■ MB60

Cumberland 2- Omni

Latest Advances in Last Mile Distribution

Sponsored: TSL, Urban Transportation

Sponsored Session

Chair: Mathias A Klapp, PhD Candidate, Georgia Institute of Technology, 765 Ferst Dr NW, Atlanta, GA, 30318, United States, maklapp@gatech.edu

1 - Complexity Of Dynamic Delivery Problems With Release Dates And Deadlines
Damian Reyes, Georgia Institute Of Technology, Atlanta, GA, United States, ldrr3@gatech.edu, Alan Erera, Martin W P Savelsbergh

2 - Consolidating Last-mile Delivery Flows
Niels Agatz, Erasmus University, Rotterdam, Netherlands, nagatz@rsm.nl, Joydeep Paul, Remy Spliet

3 - Branch-and-Price For Probabilistic VRP
Felipe Lagos, Georgia Institute Of Technology, falg3@gatech.edu

4 - Cost Efficiency Versus Customer Service In The Dynamic Dispatch Waves Problem
Mathias A Klapp, PhD Candidate, Georgia Institute of Technology, 755 Ferst Drive NW, Atlanta, GA, 30332, United States, maklapp@gatech.edu, Mathias A Klapp, PhD Candidate, Pontificia Universidad Católica de Chile, Vicuña Mackenna 4860, Macul, Santiago, Chile, maklapp@gatech.edu, Alan Erera, Alejandro Toriello

■ MB61

Cumberland 3- Omni

Practical Steps Towards Shipment & Network Capacity Management

Sponsored: Railway Applications

Sponsored Session

Chair: Carl D Van Dyke, TransNetOpt, 6 Snowbird Ct, West Windsor, NJ, 08550, United States, carl@cvdzone.com

1 - Managing Train Scheduling To Optimize Network Capacity
Dharma Acharya, Transport Consultant, acharya.dharma@gmail.com

2 - Managing Intermodal Capacity Through Differentiated Service Products And Load Acceptance
Carl Van Dyke, TransNetOpt, carl@cvdzone.com

3 - Unit Train Management System
Bob Golbasi, CSX Transportation, Jacksonville, FL, United States, Hakan_Golbasi@csx.com, Robert Gutman

4 - Connected Driver Advisory System: Cost Efficient Way For Improving Rail Traffic Management
Per Leander, Transrail Sweden AB, per.leander@transrail.se

■ MB62

Cumberland 4- Omni

Data Mining in Air Transportation

Sponsored: Aviation Applications

Sponsored Session

Chair: Yi Liu, University of California, 107 McLaughlin Hall, Berkeley, CA, 94720, United States, liuyi.feier@gmail.com

1 - Using Historical Data To Support Traffic Management Initiative Decisions
Alexander Estes, University of Maryland-College Park, 3117 A.V. Williams, University of Maryland-College Park, College Park, MD, United States, aestes@math.umd.edu, David J Lovell, Michael O Ball

2 - Identifying Similar Days To Guide Traffic Management Decision Making
Sreeta Gorripaty, UC Berkeley, Berkeley, CA, 94703, United States, gorripaty@berkeley.edu, Mark M Hansen

3 - Impacts Of Airline Mergers On Consumer Welfare
Vikrant Vaze, Assistant Professor, Dartmouth College, 14 Engineering Drive, Hanover, NH, 03755, United States, Vikrant.S.Vaze@dartmouth.edu, Tian Luo

4 - Hourly Ground Delay Program Prediction With Local And Convective Weather Variables
Mark M Hansen, University of California - Berkeley, 114 McLaughlin Hall, Berkeley, CA, 94720, United States, mhansen@ce.berkeley.edu, Yi Liu, Danqing Zhang, Alexey Pozdnukhov

■ MB63

Cumberland 5- Omni

HUB Location

Sponsored: Location Analysis

Sponsored Session

Chair: Sibel Alumur Alev, University of Waterloo, 200 University Avenue West, Waterloo, ON, N2L 3G1, Canada, sibel.alumur@uwaterloo.ca

1 - Modeling Congestion And Service Time In Hub Location Problems
Stefan Nickel, Karlsruhe Institute of Technology, stefan.nickel@kit.edu, Sibel Alumur Alev, Brita Rohrbeck, Francisco Saldanha-da-Gama

2 - An Enhanced Milp Model For Stochastic Multi-period Multiple Allocation Hub Location
Francisco Saldanha-da-Gama, University of Lisbon, Lisbon, Portugal, fsgama@ciencias.ulisboa.pt
Isabel Correia, Stefan Nickel

3 - Modeling Hub Location Problems
James F Campbell, University of Missouri-St Louis, campbell@umsl.edu, Sibel Alumur Alev

■ MB64

Cumberland 6- Omni

MCDM for System Design: No Camels Allowed

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Stephen Henry, Sandia National Laboratories, P.O. Box 5800, Albuquerque, NM, 87185, United States, smhenry@sandia.gov

1 - Multiple Criteria Decision Making For The United States Army's Robotic Pack Mule Design
Lucas Waddell, Sandia National Laboratories, lawadde@sandia.gov
Stephen Henry

2 - Infrastructure Equipment Optimization For United States Military Contingency Base Designs
Alexander Dessanti, Sandia National Laboratories, Albuquerque, NM, United States, adessan@sandia.gov

3 - Ultra-high Dimensional Optimization For Military Systems Requirements Negotiation
Stephen Henry, Sandia National Laboratories, smhenry@sandia.gov

4 - A Preference-Based Evolutionary Algorithm For Bi-Objective UAV Route Planning In Continuous Space
Erdi Da demir, Hacettepe University, Ankara, Turkey, dasdemir.erdi@metu.edu.tr, Murat Köksalan, Diclehan Tezcaner Öztürk

■ MB65

Mockingbird 1- Omni

Field Experiment Research on Mobile and Social Applications

Sponsored: Information Systems

Sponsored Session

Chair: Tianshu Sun, University of Southern California, 3670 Trousdale Pkwy, Los Angeles, CA, 90089, United States, tianshu.sun@gmail.com

1 - Evaluating Consumer m-Health Services For User Engagement And Health Promotion
Vibhanshu Abhishek, Carnegie Mellon University, vibs@andrew.cmu.edu, Rema Padman, Yi-Chin Lin

2 - The Effect Of Product Placement On Shopping Behavior At The Point Of Purchase: Evidence From A Randomized Experiment Using Video Tracking In A Physical Bookstore
Pedro Ferreira, Carnegie Mellon University, pedrof@cmu.edu, Qiwei Han, João Paulo Costeira

3 - Stimulating UGC Contribution Via Performance Feedback: A Randomized Mobile Field Experiment
Yili Hong, Arizona State University, 832 W Wagner Dr, Gilbert, AZ, 85233, United States, hong@asu.edu, Bin Gu, Chen Liang, Gordon Burtch, Nina Huang

4 - Motivating Mobile App Adoption: Evidence From A Large-scale Field Experiment
Tianshu Sun, University of Southern California, Los Angeles, CA, United States, tianshu.sun@gmail.com, Lanfei Shi, Siva Viswanathan, Elena Zheleva

■ MB66

Mockingbird 2- Omni

Data Visualization

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Fadel Mounir Megahed, Auburn University, 3301 L Shelby Center Auburn University, Auburn, AL, 36849, United States, fmegahed@auburn.edu

1 - Stock Market Exploration And Prediction Through Visualization
Xing Wang, Auburn University, Auburn, AL, 36849, United States, xzw0005@auburn.edu, Bin Weng, Fadel Mounir Megahed

2 - What We Learned From Visualizing 25 Years Of Statistics Research?
Fadel Megahed, Miami University, fmegahed@miamioh.edu Theyab Alhwiti, Mohammad Alamdar Yazdi, Maria Weese, L. Allison Jones-Farmer

■ MB67

Mockingbird 3- Omni

Advances in Degradation Modeling and Operations Management

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Xiao Liu, IBM T.J. Watson Research Center, 1101 Kitchwan Road, Yorktown Heights, NY, 10598, United States, liuxiao@us.ibm.com

1 - Kalman Filter Based Logistic Regression For Degradation Analysis
Erotokritos Skordilis, University of Miami, Miami, FL, United States, sge12@miami.edu, Ramin Moghaddass

2 - Degradation Prediction Of Printed Images
Ziyi Wang, Rutgers University, Piscataway, NJ, 08854, United States, ziyiwangcumtb@gmail.com, Elsayed A. Elsayed

3 - Modeling Spatio-temporal Degradation Data
Xiao Liu, IBM T.J. Watson Research Center, liuxiaodnn_1@hotmail.com

■ MB68

2016 INFORMS BOM Section Best Working Paper Awards

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Stephen Leider, University of Michigan, Ross School of Business, Ann Arbor, MI, 48109, United States, leider@umich.edu

1 - A Behavioral Study On Abandonment Decisions In Multi-Stage Projects
Javad Nasiry, Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong, nasiry@ust.hk Xiaoyang Long, Yaozhong Wu, Yaozhong Wu

2 - Ideation-Execution Transition In Product Development
Evgeny Kagan, University of Michigan, Ann Arbor, MI, United States, ekagan@umich.edu), Stephen Leider, William Lovejoy

3 - Impact Of Queue Configuration on Service Time: Evidence from a Supermarket
Yong-Pin Zhou, University of Washington, Seattle, WA, United States, yongpin@uw.edu, Jingqi Wang

■ MB69

Old Hickory- Omni

Military Operations Research II

Sponsored: Military Applications

Sponsored Session

Chair: Natalie M Scala, Towson University, 8000 York Road, Towson, MD, 21252, United States, nscala@towson.edu

1 - A Value Model For Cybersecurity Metrics
Natalie M Scala, Assistant Professor, Towson University, 8000 York Road, Towson, MD, 21252, United States, nscala@towson.edu, Paul L Goethals

2 - Efficient Benchmarking Tool Regarding Optimal Detection Of Critical Components In A Network
Gokhan Karakose, University of Missouri, gkz7c@mail.missouri.edu, Ronald McGarvey

3 - OMEGA: Evaluating Effectiveness Of Proposed Systems Using Bayesian Networks
Freeman Marvin, Innovative Decisions, 5848 Hunton Wood Drive, Broad Run, VA, 20137, United States, ffmarvin@innovativedecisions.com, Amanda Hepler

4 - Designing An Objective Metric For Evaluating Army Unit Readiness
Paul Goethals, United States Military Academy, West Point, NY, United States, paul.goethals@usma.edu, Natalie M Scala

■ MB70

Acoustic- Omni

Transportation, Maritime II

Contributed Session

Chair: Kazuhiko Ishiguro, Kobe University, 5-1-1, Fukae-minami, Higashi-nada, Kobe, 658-0022, Japan, ishiguro@maritime.kobe-u.ac.jp

1 - Container Vessel Capacity Allocation In Liner Shipping
Michele Acciaro, Kuehne Logistics University, Grosser Grassbrook 17, Hamburg, 20457, Germany, michele.acciaro@the-klu.org, Jan Frahnert

2 - Optimization System At ENAP For Distributing Refined Petroleum Products By Tanker
Martin Quinteros, Head of Operations Research, Empresa Nacional del Petroleo, San Jose de la Sierra 50 depto 1202, Lo Barnechea, Santiago, 7710088, Chile, martinq46@gmail.com
Andres P Weintraub, Monique Guignard-Spielberg, Marc Llambias

3 - Determinant Of Shippers' Port Choice In Rural Areas In Japan
Kazuhiko Ishiguro, Kobe University, 5-1-1, Fukae-minami, Higashi-nada, Kobe, 658-0022, Japan, ishiguro@maritime.kobe-u.ac.jp

■ MB71

Electric- Omni

Supply Chain, Shipping II

Contributed Session

Chair: Yuen Ying Lam, Research Assistant, Hang Seng Management College, Hang Shin Link, Siu Lek Yuen, Shatin, N.T., Hong Kong, avislam@hsmc.edu.hk

1 - Benders Decomposition For Inventory Routing Problem With Perishable Product In Cold Supply Chain
Faisal M Alkaabneh, PhD Student, Cornell University, Ithaca, NY, 14850, United States, fma34@cornell.edu, Huaizhu Gao

2 - A Bi-level Programming Approach For Optimizing Resilience Of Port-hinterland Container Transportation Networks
Nan Liu, Professor, Zhejiang University, School of Management, Zijingang Campus, Yuhangtang Road, Hangzhou, 310058, China, nliu@zju.edu.cn, Song Gao

3 - Effects Of Time Incentives On Container Port Operations
Yuen Ying Lam, Research Assistant, Hang Seng Management College, Hang Shin Link, Siu Lek Yuen, Shatin, N.T., Hong Kong, Hong Kong, avislam@hsmc.edu.hk, Karolina J. Glowacka, Yin Cheung, Eugene Wong

■ MB72

Bass- Omni

Supply Chain Mgt VI

Contributed Session

Chair: Jie Tan, Huazhong University of Science and Technology, Wuhan, China, jietan@hust.edu.cn

1 - Supply Chain Configuration And Financial Performance: An Empirical Investigation
Marouen Ben Jebara, University of South Carolina Aiken, 471 University Parkway, School of Business, Aiken, SC, 29801, United States, marouenB@usca.edu, Sachin Modi

2 - Configurations Of Distribution Strategies: An Integrated Analysis Of Quantitative And Qualitative Data In Retailing Industry
Dongtao Xu, Huazhong University of Science and Technology, 1037 Luoyu Road, Wuhan, 430074, China, xudongtao@hust.edu.cn

4 - Applications Of Open Innovation To Improve Supply Chain
Tianqin Shi, San Jose State University, One Washington Square, Business Tower 465, San Jose, CA, 95192-0164, United States, tianqin.shi@sjsu.edu, Taeho Park

5 - Procurement Strategy In Decentralized Supply Chains Under Supply Disruptions And Uncertain Demand
Jie Tan, Huazhong University of Science and Technology, Wuhan, China, jietan@hust.edu.cn, Haijun Wang

■ MB79

Legends G- Omni

Health Care, Modeling VI

Contributed Session

Chair: David J Robb, Professor of Operations and Supply Chain Managemen, University of Auckland, Graduate School of Management, The University of Auckland Business School, Auckland, 1142, New Zealand, d.robb@auckland.ac.nz

1 - A Model For Diabetes Clinical Pathway Scheduling
Hossein Badri, PhD Student, Wayne State University, 4185 4th Street, Manufacturing Building, Detroit, MI, 48202, United States, fq2529@wayne.edu, Kai Yang

2 - Modeling The Screening Of Post-traumatic Stress Disorder: A Criticism Of The Current Dichotomous Categorization Of Patients
Navid Ghaffarzadegan, Virginia Tech, 1145 Perry Street, 231 Durham Hall, Blacksburg, VA, 24061, United States, navidg@vt.edu, Mohammad S. Jalali, Alireza Ebrahimvandi, Richard C Larson

3 - Robust Multi Product Network Design For Blood Chain A Priority Queuing System
Mohammad Abdollahi, PhD Candidate, Wayne State University, 4815 Fourth Street, Room 1067, Detroit, MI, 48202, United States, fq6861@wayne.edu, Kai Yang

5 - Association Between Accident Rates And Daylight Saving Time Transitions
David J Robb, Professor of Operations and Supply Chain Managemen, University of Auckland, Graduate School of Management, The University of Auckland Business School, Auckland, 1142, New Zealand, d.robb@auckland.ac.nz, Thomas P Barnes

■ MB86

Glbson Board Room-Omni

Marketing II

Contributed Session

1 - Why Do Web Retailers And P&G Use "Postage Stamp" Pricing?
Phillip J Lederer, Professor, University of Rochester, Simon School of Bus. Admin., Rochester, NY, 14627, United States, Lederer@simon.rochester.edu

2 - Marketing Strategies And Empirical Comparisons Between Agricultural Producer Community Structures
Brian A. Bourquard, Purdue University, 403 W State Street, West Lafayette, IN, 47907, United States, bbourqua@purdue.edu, Allan W. Gray

3 - Modeling The Exposure Effect Of Customized Promotions On Shopping Frequency: A Quasi-experimental Analysis
Russell Zaretzki, Associate Professor, University of Tennessee, 246 Stokely Management Center, Knoxville, TN, 37996, United States, rzaretzk@utk.edu, Amil Williamson, Mary Leitnaker

■ MB94

5th Avenue Lobby-MCC

Technology Tutorial: Optimization Direct/IBM Analytics

Technology Tutorial

1 - Optimization Direct: Recent Advancements In Linear And Mixed Programing Give us The Capability To Solve Larger Optimization Problems
Dr. Robert Ashford, Optimization Direct, Inc., 202 Parkway, Harrington Park, NJ, 07640, United States, rwa@optimizationdirect.com, Alkis Vazacopoulos

2 - IBM Analytics
Xavier Nodet, IBM Decision Optimization, xavier.nodet@fr.ibm.com

Monday, 12:30PM - 2:30PM

■ Poster Session

Exhibit Hall

Monday Poster

Poster Session

1 - Mature Oil Fields And Real Options Valuation: Simulation In The Brazilian Oil Industry
Carlos Abreu, Adjunct Professor, Federal University of Rio Grande do Norte State (UFRN), Avenida das Brancas Dunas, Natal, 59064720, Brazil, calexandreabreu@ect.ufrn.br

2 - Class-based Warehouse Location Allocation For Textile Products
Esra Agca Aktunc, Kadir Has University, Faculty of Engineering and Natural Sciences, Kadir Has Caddesi Cibali, Istanbul, 34083, Turkey, esra.agca@khas.edu.tr, Halil Argun, Erkin Gokce

3 - Comparing Two Goods-to-person Order Picking Systems For Online Retailing
Francisco Jose Aldarondo, PhD Candidate, University of Michigan, 1205 Beal Ave, Ann Arbor, MI, 48109, United States, faldaron@umich.edu

4 - Two-dimensional Cutting Problem And Pallet Loading Problem Using Industrial Robots
David Alvarez Martinez, Post-doctoral fellow, Los Andes University, Colombia, Cra 1 Nº 18A- 12, Bogotá, Colombia, d.alvarezm@uniandes.edu.co. Guillermo A. Camacho Muñoz

5 - Meaningful Use Of Health Information Technology And Process Quality Of Care At Hospitals: A Patient Safety Culture Perspective
Ajit Appari, University of Texas Health Science Center at Houston, 1200 Pressler Street, RAS W-310, School of Public Health, Houston, TX, 77030, United States, ajit.appari@uth.tmc.edu Xin (David) Ding, Rajendar R Aparasu

6 - Gait Assessment: Correlation Of Gait Parameters With Falls Among Patients With Cognitive Impairment
Idil Arsik, Georgia Institute of Technology, 765 Ferst Drive, Atlanta, GA, 30332, United States, idilarsik@gatech.edu Pinar Keskinocak, Joe Nocera, Gregory J Esper

7 - On Optimization Of Carbon Capture, Utilization, And Storage Supply Chains Under Uncertainty
Mahnaz Asghari Khankandi, Virginia Tech, Blacksburg, VA, 24060, United States, mahnaz@vt.edu

8 - Ethanol Risk Management Modeling
Iddrisu Awudu, Quinnipiac University, 12 Kaye Plaza, Apt E-22, Hamden, CT, 06514, United States, iddrisu.awudu@quinnipiac.edu

9 - A Location Allocation Model For Facility Planning To Minimize The Operational Cost
Damitha Bandara, Dr., Albany State University, 2805, Albany, GA, 31721, United States, damithb@g.clemson.edu

10 - Approximation Of Spline Regression Curve With Genetic Algorithm
Mahdi Bashiri, Professor, Shahed University, Tehran, Iran, Islamic Republic of, Bashiri.m@gmail.com, Fatemeh Vakilian, Fatemeh Sogandi

11 - FDA CDER Drug Safety Communications Process Improvement Effort
Steven Berman, Food and Drug Administration, Silver Spring, MD, United States, steven.berman@fda.hhs.gov, April Alexandrow, Kyle Hair

12 - Inference For The Progressively Type-I Censored Step-stress ALT Under Interval Monitoring
David Han, University of Texas at San Antonio, Management Science & Statistics, College of Business, San Antonio, TX, 78249-0632, United States, david.han@utsa.edu
Tianyu Bai

13 - Feeling Confident How Website Browsing Sequences Affect Consumer Decision Making
Daniel Boller, PhD Student, University of St Gallen, Bahnhofstrasse 8, St Gallen, 9000, Switzerland, daniel.boller@unisg.ch

14 - A Probabilistic Unit Commitment Model
Kenneth Bruninx, KU Leuven, Celestijnenlaan 300, Post Box 2421, Leuven, B3001, Belgium, kenneth.bruninx@mech.kuleuven.be, Erik Delarue

15 - Understanding Vehicle Movement Patterns With Artificial Neural Networks
Burak Cankaya, Lamar University, 13960 Hillcroft St, Apt 724, Houston, TX, 77085, United States, mbcankaya@gmail.com

16 - Capacity Allocation Strategy For A Stochastic Manufacturing System
Liuxin Chen, Professor, Hohai University, Nanjing City, China, lindawuge@hotmail.com

17 - Algorithms For Identifying Optimal Inspection Paths In Pipe Networks
Thomas Ying-Jeh Chen, University of Michigan, 1780 Broadway Street, Apt S128, Ann Arbor, MI, 48105, United States, tyjchen@umich.edu, Seth Guikema

18 - Properties Of Location Based Social Networks And Travelers Destination Choice
Ying Chen, Research Assistant Professor, Northwestern University, 600 Foster St, Evanston, IL, 60208, United States, y-chen@northwestern.edu, Hani S. Mahmassani, Fei Zhao

19 - Stadiums And Contraband: A Study On Metal Detectors In The Field
Nelson Christie, Rutgers University, Princeton, NJ, United States, christie.l.nelson.phd@gmail.com

20 - Assessing Uncertainty: A Model-output Oriented Approach
Achim Czerny, Dr, Hong Kong Polytechnic University, Hong Kong, Hong Kong, achim.czerny@polyu.edu.hk
Erik T. Verhoef, Anming Zhang

21 - Explaining Energy Bonds' Option-adjusted Spread (OAS) Using Multiple Exponential Regression Models
Yan Deng, PhD Student, Cornell University, Cornell University, 2406 Hasbrouck Apartment, Ithaca, NY, 14850, United States, yd256@cornell.edu

22 - Deep Learning For Sleep Assessment
Skyler C Devine, University of Tennessee - Knoxville, Knoxville, TN, 37916, United States, sdevine2@vols.utk.edu

23 - Application Of AHP Method In The Formation Of A Performance Indicator For Operational Level Professionals
Fabrício Costa Dias, Professor, Senai University, Rua Magalhães Castro 174, Rio de Janeiro, 20961020, Brazil, fcdias@yahoo.com, Maracos Santos, Alex Macedo Silva, Ernesto Rademaker Martins, Marcone Freitas Reis

24 - Inventory Placement Supply Chain With Two Competing Retailers
Yi Ding, Southeast University, Sipailou 2, Jiangsu Province, Nanjing, 210096, China, emdy@seu.edu.cn

25 - Decision Support Model To Planning A Mobility Scheme For Critical System Services In Urban Networks With Natural Interruptions
Andrea Margarita Ditta, Universidad del Norte, km 5 Antigua vía Puerto Colombia, Barranquilla, Colombia, dittaa@uninorte.edu.co, Ruben Yie, Gina Galindo

26 - Supermarket Optimization: Simulation Modeling And Analysis Of A Grocery Store Layout
Jessica Peggy Dorismond, University at Buffalo, 3028 Elmwood Avenue, Buffalo, NY, 14217, United States, jpdorism@buffalo.edu

27 - Allocation Of Organization's Resource Using Data Envelopment Analysis & Topsis Method: A Case Of Capital Medical University
Tao Du, Beijing Institute of Technology, Beijing, China, dutao0608@163.com

28 - Spent Microbial Biomass As An Alternative Fertilizer: A Spatial Cost And Optimal Product Mix Analysis
Rachel Eatherly, Graduate Research Assistant, University of Tennessee, 2621 Morgan Circle, 307 G-Agricultural Economics, Knoxville, TN, 37996, United States, reather1@vols.utk.edu

29 - A Cyber-physical Vulnerabilities Framework For Manufacturing Systems: A Quality Control Perspective
Ahmed Elhabashy, PhD Student, Virginia Tech, 1145 Perry Street, 114 Durham Hall, Blacksburg, VA, 24061, United States, habashy@vt.edu, Lee J Wells, Jaime Camelio, William Woodall

30 - Algorithm For Exploring Multiobjective Tradeoff Space For The Case Of Piecewise Linear Benefit Functions
Spencer Friske, Research Analyst, Swarthmore College, 500 College Avenue, Swarthmore, PA, 19081, United States, sfriske1@swarthmore.edu, Arthur McGarity

31 - Analysis Of Competition And Cooperation Strategy Of Railway Inland Port And Seaport
Mi Gan, Associate Professor, Southwest Jiaotong University, Jinniu District, 111 N 1st Erhuan Road, Chengdu, 610031, China, migan@swjtu.cn, Shuai Yang, chen si, Juan Yu

32 - Optimal Number Of Choices In Rating Contexts
Sam Ganzfried, Assistant Professor, Florida International University, 11200 SW 8th St, Miami, FL, 33199, United States, sam.ganzfried@gmail.com

33 - Information Technology Investment And Logistics Outsourcing Contract
Fengmei Gong, Assistant Professor of Information Technology, University of La Verne, 1950 Third Street, La Verne, CA, 91750, United States, fgong@laverne.edu, David Kung

34 - Comparing The Impact Of Park And Ride, Non-park And Ride, And Terminals On Schedule Time For The Hudson-Bergen Light Rail
Erika Gonzalez, New Jersey City University, 1809 Bergenline Ave, Apt 2B, Union City, NJ, 07087, United States, erikaygonz482@gmail.com

35 - The Effect Of High Socioeconomic Inequalities On The Educational Efficiency
Maria Cristina Gramani, Professor, INSPER, rua Indiana, 463 ap. 82, Brooklin, Sao Paulo-SP, 04562000, Brazil, mcgramani@gmail.com

36 - Integrating A Pharmacy Technician Into A Hospital Unit Expedites And Improves Discharge Prescription Delivery
Christopher Grilli, Outpatient Pharmacy Manager, Mayo Clinic, Scottsdale, AZ, 85259, United States, grilli.christopher@mayo.edu, Frederick Ford, David Upjohn, Daniel Roberts

37 - Obtaining Lower Bounds For Conditional Value-at-risk Optimization In Stochastic Mixed-integer Programs
Ge Guo, PhD Candidate, Iowa State University, 3004 Black Engineering Building, Iowa State University, Ames, IA, 50011-2164, United States, geguo@iastate.edu

38 - Evaluation Of Traffic Management Strategies At The Swedish Emeregency Call Center
Klas Gustavsson, PhD Student, Mid Sweden University, Sundsvall, 85170, Sweden, klas.gustavsson@miun.se

39 - The Growing Role Of Analytics In Management Education
Owen P Hall, Professor, Pepperdine University, 6100 Center Drive, Suite 400, Los Angeles, CA, 90045, United States, ohall@pepperdine.edu, Ken Ko

40 - VHA Supply Chain Enterprise System Benchmarking Analysis
Julie Lynn Hammett, Texas A&M University, 301 Holleman Dr E, Apt 728, College Station, TX, 77840, United States, jhammett@tamu.edu

41 - Non-convex Problems For Long-term Hydropower Scheduling
Martin N. Hjelmeland, PhD Candidate, Norwegian University of Science and Technology, O.S. Bragstads plass 2E, Trondheim, 7491, Norway, martin.hjelmeland@ntnu.no

42 - A Two-echelon Decomposition Method On Fresh Product Distribution Problem
hongtao HU, Associate Professor, Shanghai Maritime University, Room101, No 96, 555 Guzong Road, Shanghai, 201306, China, hu.hongtao@foxmail.com

43 - Modeling Capacity Planning Projects In The Automotive Industry Using A Markov Decision Process
Paul Jana, Technische Universität München (TUM), Arcisstr 21, Munich, 80333, Germany, paul.jana@tum.de, Martin Grunow

44 - Assessment Of Clustering Algorithms Based On A Data Mining Technique
Youngseon Jeong, Assistant Professor, Chonnam National University, 77 Yongbong-ro, Buk-gu, Gwangju, 61186, Korea, Republic of, youngseonjeong@gmail.com

45 - The Status, Development Potential Prediction And Policy Recommendations Of New Energy In China
HongDian Jiang, Master Degree Candidate, China University of Petroleum, No.18, Fuxue Road, Changping District,, Beijing, 102249, China, cupjhd@163.com, KangYin Dong, RenJin Sun

46 - Predictive Maintenance From Analysis Of Airplane Sensor Data
Ruiwei Jiang, Data Scientist, Boeing Vancouver, 1146 Homer Street, Vancouver, BC, V6B 2X6, Canada, ruiwei.jiang@aeroinfo.com, Phillip Mah, Dawen Nozdryn-Plotnicki, Benji Shieh, Hubert Duan

47 - Material Handling Operations And Layout Design Analysis In An Empty Shipping Container Terminal
Erhan Karakaya, PhD Student, Auburn University, 3333 Shelby Center, Auburn, AL, 36849, United States, erhan@auburn.edu, Alice E Smith, Jimena Pascual, Rosa Guadalupe Gonzalez Ramirez, Diego Aranda, Felipe Hidalgo

48 - Stochastic Optimization Of Petroleum Supply Chain Under Risk Of Hurricanes
Yasaman Kazemi, Supply Chain Optimization Specialist, North Dakota State University, P.O. Box 6050, Dept. 2880, Fargo, ND, 58108, United States, yasaman.kazemi@ndsu.edu, Joseph Szmerekovsky

49 - Eliminating Preventable Motor Vehicle Accidents Through Simulation Scenarios Of Vehicle Modifications
Sahar Khamsehi, Prospective Phd Student/Practical trainer, Binghamton University, 4400 Vestal Pkwy E,, Binghamton, NY, 13902, United States, skhamse1@binghamton.edu, Constance Dwyer

50 - Building A Luxury Products Evaluation Model
Youn Sung Kim, Professor, Inha University, 253 Yonghyun-Dong, Nam-Gu, Incheon, 402-751, Korea, Republic of, keziah@inha.ac.kr

51 - Strengthening Keystroke Dynamics Based User Authentication Based On User Adaptive Feature Construction For One Class Classification
Junhong Kim, Korea University, Seoul, Korea, Republic of, junhongkim@korea.ac.kr, Haedong Kim, Boseop Kim

52 - Evaluating Information Quality For News Articles Based On Topic Modeling
Hyungseok Kim, Korea University, Anam-dong Seongbuk-gu, Korea University, School of Industrial Management Engineering, Seoul, 163-713, Korea, Republic of, hskim0263@korea.ac.kr, Kim Boseop

53 - Why Firms Disappear: Bankruptcy In The Thoroughbred Horse Industry's Social Network
Angela King, Chapman University CMB: 1406, 1 University Drive, Orange, CA, 92866, United States, amxk96@gmail.com Darcy Fudge Kamal, Cristina Nistor

54 - Nondestructive Quality Inspection Using Piezoelectric Transducers Affixed To A Fixture
Tomilayo Komolafe, PhD Candidate, Virginia Polytechnic Institute and State University, 1145 Perry Street, Blacksburg, VA, 24061, United States, tomilayo@vt.edu

55 - Demand-driven Movie Scheduling In A Multiplex
Julia Charlotte Krake, Research Associate, University of Hamburg - Institute for Operations Research, Von-Melle-Park 5, Hamburg, 20146, Germany, julia.krake@uni-hamburg.de

56 - Unittracker: Enhancing Conventional Generation Modeling Resolution In The Regional Energy Deployment System (ReEDS) Model
Venkat Krishnan, Engineer, National Renewable Energy Laboratory, 15013 Denver West Parkway, Golden, CO, 80401, United States, Venkat.Krishnan@nrel.gov, Jonathan Ho, Kelly Eurek

57 - Network Simplex Based Algorithm For The Minimum Cost Flow Problem With Linear Interdependencies
Adam Rumpf, Illinois Institute of Technology, 10 West 32nd Street, Room 208, Chicago, IL, 60616, United States, arumpf@hawk.iit.edu

58 - Modelling For Tomato Spotted Wilt Virus Spread Dynamics
Yan Kuang, Kansas State University, 1600 Hillcrest Drive, Apt 4, Manhattan, KS, 66502-2647, United States, ykuang@ksu.edu

59 - Modelling Competitive Equilibrium Prices For Energy And Balancing Capacity In Electricity Markets Involving Non-convexities
Andre Ortner, Researcher, Technical University of Vienna, Gusshausstraße 25-29, Vienna, 1040, Austria, ortner@eeg.tuwien.ac.at, Daniel Huppmann

60 - Multi-period Matching Under Relaxed Stability
Zihao Li, Georgia Institute of Technology, 765 Ferst Drive, School of ISyE, Atlanta, GA, 30332-0225, United States, zli66@gatech.edu, Özlem Ergun, Julie L Swann

61 - Stochastic Optimal Power Flow With Forecast Errors And Failures In Communication
Basel Alnajjab, Lehigh University, 19 Memorial Drive, West, Bethlehem, PA, 18015, United States, bra212@lehigh.edu, Alberto J Lamadrid, Rick S Blum, Shalinee Kishore, Lawrence V Snyder

62 - Reducing Response Categories In Multinomial Regression
Brad Price, West Virginia University, College of Business and Economics, PO Box 6025, Morgantown, WV, 26506, United States, brad.price@mail.wvu.edu, Adam Rothman, Charles Geyer

63 - Reliability And Economic Criteria To Determine Management Policies Of Wind Energy Systems With Storage
Cristina M Azcarate, Universidad Publica de Navarra, Dep of Statistics & OR, Campus Arrosadia, Pamplona, Navarra, 31006, Spain, cazcarate@unavarra.es, Fermin Mallor, Pedro Mateo

64 - Artificial Intelligence Usages In Public Sector
Gi Eyun Seo, SolBridge International School of Business, 128 Uam-ro, Dong-gu, Daejeon, Korea, Republic of, jyaingg@naver.com, Sung-Tae Kim

65 - Overcoming Limitations Of EOQ
Jagtej S Bewli, Director, Product Management, WalmartLabs, 850 Cherry Avenue, San Bruno, CA, 94066, United States, jbewli@walmartlabs.com

66 - Electric Transmission Expansion Considering Property Value Reduction On Routing
Juan Andrade, University of Texas at Austin, 4405 Avenue A, Apt 11, Austin, TX, 78751, United States, jandraderam@utexas.edu, Ross Baldick

67 - Detection Of Copyrightable Images From Social Media Feeds
Manoj Pooleery, Scopio LLC, 175 Varick St, New York, NY, United States, manoj@scopio.io, Binu Josephi, Jinjin Qin

68 - Application Of Data-driven Analytics To Optimal Decisions
Meng-Chen Hsieh, Assistant Professor I, Rider University, 2083 Lawrenceville Rd, SWG 313, Lawrence Township, NJ, 08648, United States, mehsieh@rider.edu, Jeffrey Simonoff, Clifford Hurvich, Avi H Giloni

69 - In-process Data Point Clouds: A Novel Approach For Machining Data Visualization And Analysis
Mohammed Shafae, PhD Candidate, Virginia Tech, Blacksburg, VA, United States, shafae1@vt.edu, Lee Wells, Jaime Camelio

70 - Using Anom Slicing For Multiway Models With Binomial Or Poisson Data
peter wludyka, CEO, Wludykaandassociates, 4285 Baltic Street, Jacksonville, FL, 32210, United States, pwludyka@unf.edu, John Noguera

71 - Data-driven Decision Making In The Sharing Economy
Qiaochu He, Assistant Professor, University of North Carolina, Charlotte, 9201 University City Blvd., Univ. North Carolina, Charlotte, NC, 28223, United States, qhe4@uncc.edu Yun Yang

72 - Optimization Problems In The Design And Control Of Internet Fulfillment Warehouses
Sevilay Onal, PhD Candidate, New Jersey Institute of Technology, 323 Dr Martin Luther King Jr Blvd, Newark, NJ, 07102, United States, so59@njit.edu, Jingran Zhang, Sanchoy Das

73 - Model Of Ambulance Deployment And Dispatch Arrangement And Simulation-based Assessment Of Emergency Medical Systems
Yen-Ting Liu, Tsinghua University, Hsinchu, Taiwan, liuyentingthomas@gmail.com

74 - Container Port Selection In West Africa A Multicriteria Decision Analysis
Rivelino De Icaza, PhD Candidate, University of Arkansas, 1301 N Prairie Dunes Trail, Apt 305, Fayetteville, AR, 72704, United States, rdeicaza@uark.edu

■ Poster Competition

Exhibit Hall

Monday Poster Competitition

Competition Poster Session

1 - A Simple Classification Framework For Discrimination Of Antipsychotic Treatment Resistant And Treatment Responsive Schizophrenia Patients
Farnaz Zamani Esfahlani, PHD Candidate, SUNY Binghamton, 4400 Vestal Parkway East, Binghamton, NY, 13902-6000, United States, fzamani1@binghamton.edu, Katherine Frost, Gregory Strauss, Hiroki Sayama

2 - Dynamic Redeployment Of Connected Vehicle Environment For An Optimal Traffic Signal Coordination
John (Hyoshin) Park, Research Associate, University of Massachusetts Amherst, 370 Northampton Rd. Apt B, Amherst, MA, 01002, United States, hyoshin0724@gmail.com, Song Gao, Ali Haghani

3 - Resilient Offgrid Microgrids – Capacity Planning And N-1 Security
Sreenath Chalil Madathil, Clemson University, 324 Village Walk Ln, Clemson, SC, 29631, United States, schalil@g.clemson.edu Scott J. Mason, Russell Bent, Harsha Nagarajan, Emre Yamangil, Scott Backhaus, Arthur Barnes, Salman Mashayekh, Michael Stadler

4 - Two-stage Game Theoretic Modeling Of Airline Frequency And Fare Competition
Reed Harder, Dartmouth College, 14 Engineering Drive, Hanover, NH, 03755, United States, reed.haseltine.harder.TH@dartmouth.edu, Vikrant Vaze

5 - Identification And Allocation Of Increased-risk Encephalitis Organs
Pinar Keskinocak, Georgia Institute of Technology, School of Indust/System Eng, 765 Ferst Drive, Atlanta, GA, 30332, United States, pinar@isye.gatech.edu, Hannah Smalley, Nishi Anand, Dylan Buczek, Nicholas Buczek, Tim Lin, Tanay Rajore, Muriel Wacker, Brian Gurbaxani, Matthew Kuehnert, Sridhar Basavaraju, Teresa Hammett

6 - Evaluation Of Google's Voice Recognition And Sentence Classification For Health Care Applications
M. Majbah Uddin, University of South Carolina, 300 Main Street, Civil and Environmental Engineering, Columbia, SC, 29208, United States, muddin@cec.sc.edu, Nathan Huynh, Jose M Vidal, Kevin M Taaffe, Lawrence Fredendall, Joel S Greenstein

7 - A Heuristic Algorithm Assigning Optimal Tolls
Vyacheslav V. Kalashnikov, Tecnologico de Monterrey, ITESM, Campus Monterrey, Ave. Eugenio Garza Sada 2501 Sur, Monterrey, 64849, Mexico, kalash@itesm.mx, Central Economics and Mathematics Institute (CEMI), Russian Academy of Sciences (RAS), Nakhimovsky pr. 47, Moscow, 117418, Russian Federation, Vyacheslav V. Sumy State University, Rimsky-Korsakov St. 2, Sumy, 40007, Ukraine, kalash@itesm.mx, Nataliya I. Kalashnykova, Arturo García-Martínez

8 - Developing A Novel Inventory Classification Approach For Large Scale Multi Echelon Inventory Systems
Alireza Sheikhzadeh, University of Arkansas, 4207 Bell Engineering Center, Fayetteville, AR, 72701, United States, asheikhz@uark.edu, Manuel D Rossetti

9 - The Value Of Aggregation Under Minimax Pricing Scheme In The Electricity Retail Market
Alberto J Lamadrid, Associate Professor, Lehigh University, 621 Taylor Street, R451, Bethlehem, PA, 18015-3120, United States, ajl259@cornell.edu, Kwami Senam Sedzro, Mooi Choo Chuah

10 - Designing A Space-efficient Warehouse Layout
Shahab Derhami, PhD Candidate, Auburn University, 3301 Shelby Center, Auburn, AL, 36849, United States, shahab.derhami@hotmail.comJeffrey Smith, Kevin Gue

11 - Optimizing Decisions In Prenatal Integrated Screening For Down Syndrome
Jia Yan, Georgia Institute of Technology, 710 Peachtree Street NE, Apt 1612, Atlanta, GA, 30308, United States, jyan40@gatech.edu, Turgay Ayer, Pinar Keskinocak, Aaron Caughey

12 - Identification Of Optimal Partition For Semidefinite Optimization
Ali Mohammad Nezhad, PhD Candidate, Lehigh University, 200 West Packer Ave, Bethlehem, PA, 18015, United States, alm413@lehigh.edu, Tamas Terlaky

13 - Wasserstein Distance And The Distributionally Robust Tsp
Mehdi Behroozi, Assistant Professor, Northeastern University, 334 Snell Engineering Center, 360 Huntington Avenue, Boston, MA, 02115, United States, m.behroozi@neu.edu

14 - Reformulating The Disjunctive Cut Generating Linear Program
Thiago Serra, Carnegie Mellon University, 5000 Forbes Ave, Pittsburgh, PA, 15213, United States, tserra@cmu.edu, Egon Balas, Francois Margot

15 - Acceleration Of A Communication Efficient Distributed Dual Block Descent Algorithm
Chenxin Ma, Lehigh University, 200 West Packer Avenue, Bethlehem, PA, 08801, United States, chm514@lehigh.edu

16 - Primal-dual Interior-point Methods With Domain-driven Barriers
Mehdi Karimi, PhD Student, University of Waterloo, 200 University Avenue West, Department of Combinatorics and Optimization, University of Waterloo, Waterloo, ON, N2L 3G1, Canada, m7karimi@uwaterloo.ca, Levent Tuncel

17 - Upward Reward Perturbation For Reinforcement Learning
Zhengyuan Zhou, Stanford University, 160 Comstock Circle, Unit 106002, Stanford, CA, 94305, United States, zyzhou@stanford.edu, Ling Zhu, Benjamin Van Roy, Nicholas Bambos

18 - Applying Case Queries To Network Clusters: Identifying The Intussusception Signal In Rotashield Adverse Event Reports
Matthew Foster, ORISE Fellow, FDA, 10903 New Hampshire Ave, Silver Spring, MD, 20993, United States, matthew.foster@fda.hhs.gov

19 - Neighborhood-based Reductions And Cuts For Signed Graphs
Christopher Muir, University of Tennessee - Knoxville, 2044 Wilkerson Road, Knoxville, TN, 37922, United States, cmuir1@vols.utk.edu

Monday, 1:30PM - 3:00PM

■ MC01

101A-MCC

Image and Shape Data Analysis

Sponsored: Data Mining

Sponsored Session

Chair: Chiwoo Park, Florida State University, 2525 Pottsdamer Street, Tallahassee, FL, 32310-6046, United States, cpark5@fsu.edu

Co-Chair: Kamran Paynabar, Assistant Professor, Georgia Institute of Technology, 755 Ferst Drive, NW, Atlanta, GA, 30332, United States, kamran.paynabar@isye.gatech.edu

1 - State Space Model For Time-varying Density Estimation
Yanjun Qian, Texas A&M University, College Station, TX, 77840, United States, qianyanjun09@gmail.com, Yu Ding, Jianhua Huang

2 - Dynamic Network Modeling Of In-situ Image Profiles For Statistical Process Control – Applications In Ultraprecision Machining And Biomanufacturing Process
Chen Kan, Pennsylvania State University, PSU, University Park, PA, 16802, United States, CJK5654@psu.edu, Hui Yang

3 - Structured Point Cloud Data Modeling Via Regularized Tensor Decomposition And Regression
Hao Yan, Georgia Institute of Technology, yanhao@gatech.edu, Massimo Pacella, Kamran Paynabar

4 - Statistical Analysis Of Preferential Orientations Of Two Shapes In Their Aggregate
Ali Esmaieeli, Florida State University, Tallahassee, FL, 32304, United States, ae13e@my.fsu.edu, Chiwoo Park, David Welch, Roland Faller, Taylor Woehl, James Evans, Nigel Browning

■ MC02

101B-MCC

Data Mining Innovations in Healthcare

Sponsored: Data Mining

Sponsored Session

Chair: Michael Lash, University of Iowa, S210 John Pappajohn Business Building, Iowa City, IA, 52242-1000, United States, michael-lash@uiowa.edu

1 - Multi-site Evidence-based Best Practice Discovery – Finding Factors That Influence Treatment Outcome
Eva Lee, Georgia Tech, evakylee@isye.gatech.edu
Cody Wang

2 - Scalable Support Vector Machines For Massive Healthcare Datasets
Talayeh Razzaghi, Clemson University, trazzag@g.clemson.edu

3 - Exploring Feasibility To Early Detect Alzheimer's Disease (AD) And Dementia Progression Using Big Data + Machine Learning Approach
Chih-Lin Chi, University of Minnesota, Minneapolis, MN, United States, cchi@umn.edu, Wenjun Zeng, Wonsuk Oh, Soo Borson

■ MC03

101C-MCC

Health Care, Modeling I

Contributed Session

Chair: Sina Faridimehr, PhD Student, Wayne State University, 4815 Fourth Street, Detroit, MI, 48202, United States, sina.faridimehr@wayne.edu

1 - Measure And Predict Medication Adherence Behavior Using Administrative Data
Shan Xie, Purdue University, 315 N Grant Street, W Lafayette, IN, 47907, United States, xie34@purdue.edu, Yuehwern Yih

2 - Improving Access To Healthcare By Minimizing Appointment Delays
Ashley N. Anhalt, PhD Student, University of Pittsburgh, 525 S. Aiken Avenue, APT #3, Pittsburgh, PA, 15232, United States, ana88@pitt.edu, Jeffrey P. Kharoufeh

3 - Managing Access To Primary Care Through Advanced Scheduling
Sina Faridimehr, PhD Student, Wayne State University, 4815 Fourth Street, Detroit, MI, 48202, United States, sina.faridimehr@wayne.edu, Ratna Babu Chinnam, Saravanan Venkatachalam

■ MC04

101D-MCC

Optimal Procurement, Tariff, and Cybersecurity in Smart Grid

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Lawrence V Snyder, Lehigh University, 200 West Packer Avenue, Bethlehem, PA, 18015, United States, lvs2@lehigh.edu

1 - Optimal Day-ahead Power Procurement With Renewable Energy, Storage, And Demand Response
Soongeol Kwon, Texas A&M University, College Station, TX, United States, soongeol@tamu.edu, Natarajan Gautam, Lewis Ntaimo

2 - A Game Theoretic Analysis Of Electricity Time-of-use (TOU) Tariff For Residential Customers
Dong Gu Choi, Pohang University of Science and Technology, Pohang, Korea, Republic of, dgchoi@postech.ac.kr, Valerie Thomas

3 - Risk Assessment And Network Optimization For Smart Grid Cybersecurity
Lawrence V Snyder, Lehigh University, lvs2@lehigh.edu, Jiyun Yao, Parv Venkitasubramaniam, Shalinee Kishore, Rick Blum

4 - Electricity Market Clearing With Enhanced Dispatch Of Wind Producers: Market Design And Environmental Implications
Ali Daraeepour, Duke University, Durham, NC, 27708, United States, a.daraeepour@duke.edu, Dalia Patino-Echeverri

■ MC05

101E-MCC

Renewable Energy and Emissions in the Power Sector

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Afzal Siddiqui, University College London, Gower Street, London, WC1E 6BT, United Kingdom, afzal.siddiqui@ucl.ac.uk

■ MC06

102A-MCC

Text Analytics for Quality Management

Sponsored: Data Mining

Sponsored Session

Chair: Alan Abrahams, Virginia Tech, Pamplin 1007, Blacksburg, VA, 24061, United States, abra@vt.edu

1 - Human Intelligence In Keyword Query Formulation: Comparing The Recall Performance Of Computer- And Human-generated Smoke Word Lists
Richard Gruss, Pamplin College of Business, Virginia Tech, Blacksburg, VA, United States, rgruss@vt.edu
Alan Abrahams, Siriporn Srisawas

2 - Let'S Not Get Too Sentimental: A Critical Analysis Of Sentiment Analysis For Quality Surveillance
Nohel Zaman, Virginia Tech, Blacksburg, VA, 24060, United States, znohel@vt.edu, Alan Abrahams, Richard James Gruss, Siriporn Srisawas

3 - Online Reviews To Revenue: Contributory Factors And Moderating Effects In The Airline Industry
Zachary Davis, Virginia Tech, zached1@vt.edu
Alan S. Abrahams, Lara Z Khansa

4 - Identifying Product Defects From User Complaints: A Probabilistic Defect Model
Alan Wang, Associate Professor, Virginia Tech, 2070 Pamplin Hall, Virginia Tech, Blacksburg, VA, 24060, United States, alanwang@vt.edu, Xuan Zhang, Zhilei Qiao, Weiguo Fan, Edward A Fox

■ MC07

102B-MCC

Data Analytics in Renewable Energy

Sponsored: Data Mining

Sponsored Session

Chair: Zijun Zhang, City University of Hong Kong, 83 Tat Chee Avenue, Kowloon Tong, Hong Kong, zijzhang@cityu.edu.hk

1 - Exploratory Data Analytics For Temporal Lighting Energy Usage In Commercial Buildings
Mingyang Li, University of South Florida, Tampa, FL, United States, mingyangli@usf.edu, Kara C Heuer, Dina Villalba-Sanchez, Zhe Song

2 - Characterization Of Air Traffic Network Using Ads-b Data
Lishuai Li, City University of Hong Kong, P6606, AC1, Tat Chee Avenue, Kowloon, Hong Kong, lishuai.li@cityu.edu.hk
Pan Ren

3 - Image-based Wind Turbine Blade Surface Crack Detection And Analysis
Zijun Zhang, City University of Hong Kong, zijzhang@cityu.edu.hk
Long Wang

■ MC08

103A-MCC

Innovation in Product and Service Development

Invited: Business Model Innovation

Invited Session

Chair: Morvarid Rahmani, Georgia Institute of Technology, Atlanta, GA, United States, morvarid.rahmani@scheller.gatech.edu

1 - An Economic Analysis Of Customer Codesign
Sreekumar R Bhaskaran, Southern Methodist University, sbhaskar@mail.cox.smu.edu, Amit Basu

2 - Allocating Customer Control In Service Processes
Ioannis Bellos, George Mason University, ibellos@gmu.edu, Stylianos Kavadias

3 - Sourcing Innovation: Private And Public Feedback In Contests
Jurgen Mihm, Insead, Fontainebleau, France, jurgen.mihm@insead.edu, Jochen Schlapp

4 - Balancing Diagnostic And Resolution Efforts In A Nonprofit Service Delivery Organization
Priyank Arora, Georgia Institute of Technology, 800 W Peachtree St NW, Atlanta, GA, 30308, United States, Priyank.Arora@scheller.gatech.edu, Morvarid Rahmani, Karthik Ramachandran

■ MC09

103B-MCC

Nonlinear Optimization Problems for Power Systems

Invited: Energy Systems Management

Invited Session

Chair: Javad Lavaei, University of California, Berkeley, 4121 Etcheverry, Berkeley, CA, 94720, United States, lavaei@berkeley.edu

1 - Power System State Estimation With A Limited Number Of Measurements
Ramtin Madani, University of California, Berkeley, Berkeley, CA, United States, ramtin.madani@berkeley.edu, Javad Lavaei, Ross Baldick

2 - Stochastic Unit Commitment With Topology Control Recourse For Renewables Integration
Jiaying Shi, University of California, Berkeley, Berkeley, CA, 94720, United States, shijy07@berkeley.edu, Shmuel S Oren

3 - A Strong Semidefinite Programming Relaxation Of The Unit Commitment Problem
Javad Lavaei, University of California-Berkeley, Berkeley, CA, United States, lavaei@berkeley.edu, Morteza Ashraphijuo, Salar Fattahi, Alper Atamturk

4 - Optimal Distributed Control Of Power Systems
Salar Fattahi, University of California, Berkeley, Berkeley, CA, United States, fattahi@berkeley.edu, Abdulrahman Kalbat, Javad Lavaei

■ MC10

103C-MCC

Food, Energy, Water and Extreme Events

Sponsored: Energy, Natural Res & the Environment, Energy II Other

Sponsored Session

Chair: Sauleh Ahmad Siddiqui, Johns Hopkins University, 3400 N. Charles St., Latrobe Hall 205, Baltimore, MD, 21218, United States, siddiqui@jhu.edu

Co-Chair: Craig Bakkar, Johns Hopkins University, 3400 N. Charles St., Baltimore, MD, 21218, United States, cbakker2@jhu.edu

1 - Mixed Complementarity Modelling In Food Systems
Sauleh Ahmad Siddiqui, Johns Hopkins University, 3400 N. Charles St., Latrobe Hall 205, Baltimore, MD, 21218, United States, siddiqui@jhu.edu, Craig Bakkar

2 - Post-disaster Distribution Systems Restoration
Yushi Tan, University of Washington, 185 Stevens Way, Seattle, WA, 98195, United States, ystan@uw.edu, Feng Qiu

3 - Nonlinear Optimization Of Water Supply Network Pumping Plans In A Deregulated Electricity Market
Maxime Fender, Optimization Consultant, Artelys, 2001 Boulevard Robert-Bourassa, Suite 1700, Montreal, QC, H3A 2A6, Canada, maxime.fender@artelys.com

■ MC11

104A-MCC

Network Vulnerability and Criticality

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Chrysafis Vogiatzis, Assistant Professor, North Dakota State University, CIE 202K, P.O. Box 6050, Fargo, ND, 58108, United States, chrysafis.vogiatzis@ndsu.edu

1 - Critical Arcs Detection In Influence Networks
Colin P. Gillen, University of Pittsburgh, Pittsburgh, PA, 15261, United States, cpg12@pitt.edu, Alexander Veremyev, Oleg A Prokopyev, Eduardo Pasiliao

2 - Randomized Network Inspection For Security Against Link Disruption Attacks
Mathieu Dahan, Massachusetts Institute of Technology, Cambridge, MA, United States, mdahan@mit.edu, Polina Sela Perelman, Saurabh Amin

3 - A Stochastic Programming Unified Framework For Travel Demand Estimation Problems With Multiple Observation Sets
Yudi Yang, University of California, Davis, Davis, CA, United States, ydyang@ucdavis.edu, Yueyue Fan, Roger J-B Wets

■ MC12

104B-MCC

Mixed Integer Polynomial Optimization

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Robert Hildebrand, IBM T.J. Watson Research Cente r, 206 Chateau Rive, Peekskill, NY, 10566, United States, robdhildebrand@gmail.com

1 - New Certificates For Nonnegativity Via Circuit Polynomials And Geometric Programming
Timo de Wolff, Texas A&M University, dewolff@math.tamu.edu

2 - Analysis Of Strength Of Convex Relaxations Of Monomials
Akshay Gupte, Clemson University, Clemson, SC, 29634, United States, agupte@clemson.edu, Warren P Adams, Yibo Xu

3 - Optimal Power Flow Problem
Santanu Dey, Georgia Institute of Technology, santanu.dey@isye.gatech.edu

■ MC13

104C-MCC

New Algorithms for Global Optimization and MINLP II

Sponsored: Optimization, Global Optimization

Sponsored Session

Chair: John W Chinneck, Carleton University, 1125 Colonel By Drive, Ottawa, ON, K1S 5B6, Canada, chinneck@sce.carleton.ca

1 - Coordination Between Constraint Filtering Techniques And Reduced RLT Representations In RLT-POS
Evrim Dalkiran, Wayne State University, evrimd@wayne.edu
Hanif D. Sherali

2 - A Global Optimization Algorithm For Routing Heterogeneous Jobs To Heterogeneous Servers
Vahid Nourbakhsh, PhD Candidate, University of California - Irvine, Irvine, CA, 92617, United States, vahidn@uci.edu, John G Turner

3 - Tuning Baron Using Derivative-free Optimization Algorithms
Nikolaos Ploskas, Carnegie Mellon University, Pittsburgh, PA, United States, nploskas@andrew.cmu.edu, Jianfeng Liu, Nikolaos Sahinidis

4 - Recent Advances In Baron
Mustafa Kilinc, Carnegie Mellon University, Pittsburgh, PA, United States, mkilinc@cmu.edu, Nikolaos Sahinidis

■ MC14

104D-MCC

Emerging Applications of Optimization in Industry

Sponsored: Analytics

Sponsored Session

Chair: Juan Ma, Turner Broadcasting Systems, 1050 Techwood Drive NW, Atlanta, GA, 30318, United States, juan.ma@turner.com

1 - Scheduling Television Programs Optimally
Juan Ma, Turner Broadcasting System, Inc., Atlanta, GA, 30318, United States, juan.ma@turner.com, Jose Antonio Carbajal Orozco, Peter Williams, Wassim (Wes) Chaar

2 - Scheduling Commercial Spots Using Mixed Integer Programming
Vivek Vasudeva, Turner Broadcasting System, Inc., Atlanta, GA, United States, vivek.vasudeva@turner.com, Jose Antonio Carbajal Orozco, Wassim (Wes) Chaar

■ MC15

104E-MCC

Disaster and Emergency Management I

Contributed Session

1 - Apropos Resilient System Design
Henry Lester, University of South Alabama, P.O. Box 8172, Mobile, AL, 36689, United States, hlester@southalabama.edu

2 - A Follow-Up Sharing Method For Post-Event Response Resource Distribution With Group Information Updates
Yong Ye, Wenzhou Medical University, Chashan Street, Ouhai District, Wenzhou, 325035, China, yong_ye@foxmail.com, Guiling Liu, Lingle Pan

■ MC16

105A-MCC

Data-Driven Optimization Methods

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Vishal Gupta, University of Southern California, University Park Campus, Los Angeles, CA, 90089, United States, guptavis@usc.edu

1 - Machine Learning & Portfolio Optimization
Gah-Yi Ban, London Business School, gban@london.edu, Noureddine El Karoui, Andrew Lim

2 - Smart Predict Then Optimize
Paul Grigas, UC Berkeley, 4177 Etcheverry Hall, University of California, Berkeley, CA, 94720-1777, United States, pgrigas@berkeley.edu, Adam Elmachtoub

3 - Distribution Sensitivities For Quantile, Distortion Risk Measure, And Inference
Yijie Peng, Fudan University, pengy10@fudan.edu.cn
Michael Fu

4 - Small Data Optimization
Vishal Gupta, University of Southern California, guptavis@usc.edu, Paat Rusmevichientong

■ MC17

105B-MCC

Robust Optimization

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Anirudh Subramanyam, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA, 15213, United States, asubramanyam@cmu.edu

1 - Exploiting The Structure Of Two-stage Robust Optimization Models With Integer Adversarial Variables
Seyed Hossein Hashemi Doulabi, Polytechnique Montréal, Montreal, QC, Canada, hashemi.doulabi@polymtl.ca
Patrick Jaillet, Gilles Pesant, Louis-Martin Rousseau

2 - A New Algorithmic Framework For Two-stage K-adaptable Robust Optimization Problems With Mixed-integer Recourse
Anirudh Subramanyam, Carnegie Mellon University, Pittsburgh, PA, 15213, United States, asubramanyam@cmu.edu
Wolfram Wiesemann, Chrysanthos Gounaris

3 - Weekly Two Stage Robust Generation Scheduling For Hydrothermal Power Systems
Hossein Dashti, University of Arizona, hdashti@email.arizona.edu, Antonio J. Conejo, Ruiwei Jiang, Jianhui Wang

■ MC18

106A-MCC

Recent Developments in Integer Programming

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Diego A Moran, Universidad Adolfo Ibañez, Diagonal Las Torres 2640, Santiago, 7941169, Chile, damr@vt.edu

1 - An Algorithm To Exploit Diversification And Exploration For Solving Mixed-integer Linear Programs
Rodolfo Carvajal, Universidad Adolfo Ibáñez, Viña del Mar, Chile, rodolfo.carvajal@uai.cl, Shabbir Ahmed, George L Nemhauser

2 - On Multi-row Chvatal- Gomory Cuts
Babak Badri Koohi, PhD Candidate, Virginia Tech, Blacksburg, VA, United States, babakbk@vt.edu, Diego A Moran

3 - Extended Formulations For Vertex Cover
Austin Buchanan, Oklahoma State University, buchanan@okstate.edu

4 - Complete Efficient Frontier Of Multidimensional Nonlinear Knapsack Problems With Multiple Objectives
Yuji Nakagawa, Kansai University, nakagawa@res.kutc.kansai-u.ac.jp, Yoshiko Hanada, Chanaka Edirisinghe

■ MC19

106B-MCC

Multilevel Optimization Models and Applications

Sponsored: Computing

Sponsored Session

Chair: Jorge A Sefair, Arizona State Univerity, 699 S. Mill Ave., BYENG 330, Tempe, AZ, 85281, United States, jorge.sefair@asu.edu

1 - A Backward Sampling Framework For Interdiction Problems With Fortification
Cole Smith, Clemson University, 110 Freeman Hall, Clemson, SC, 29634, United States, jcsmith@clemson.edu, Leonardo Lozano

2 - Interdicting Layered Information And Physical Flow Networks
Orkun Baycik, Rensselaer Polytechnic Institute, Troy, NY, United States, baycin@rpi.edu, Thomas Sharkey, Chase Rainwater

3 - Integer Programming Formulations For Minimum Spanning Tree Interdiction
Ningji Wei, University at Buffalo, Buffalo, NY, United States, ningjiwe@buffalo.edu, Jose Luis Walteros, Foad Mahdavi Pajouh

4 - Assortment Optimization Under Worst-case In-store Consumer Shopping Behavior
Saharnaz Mehrani, Arizona State University, Tempe, AZ, United States, smehrani@asu.edu, Jorge A. Sefair

■ MC20

106C-MCC

Systemic Risk, Policies, and Data Needs

Invited: Tutorial

Invited Session

Chair: Agostino Capponi, Columbia University, 500 West 120th street, New York, NY, 10027, United States, ac3827@columbia.edu

1 - Systemic Risk, Policies, And Data Needs
Agostino Capponi, Columbia University, 500 West 120th Street, New York, NY, 10027, United States, ac3827@columbia.edu

■ MC21

107A-MCC

Applications Supporting Clinical and Public Health Decision Making

Sponsored: Health Applications

Sponsored Session

Chair: Hussein Ezzeldin, ORISE, 10903 New Hampshire Ave, Bldg 71 Rm 1009C, Silver Spring, MD, 20993, United States, hussein.ezzeldin@fda.hhs.gov

1 - On The Application Of Big Data To Microbial Risk Assessment
Mark Walderhaug, FDA/CBER/OBE, mark.walderhaug@fda.hhs.gov, Steven Anderson

2 - Supporting The Decision Making Process In Safety Review
Taxiarchis Botsis, FDA/CBER/OBE, Taxiarchis.Botsis@fda.hhs.gov

3 - The Impact Of Transfusing Newer Blood Versus Current Practice On The US Blood Supply
Hussein Ezzeldin, FDA/CBER/OBE, Silver Spring, MD, United States, hussein.ezzeldin@fda.hhs.gov, Richard Forshee, Arianna Simonetti

4 - Optimal Resource Allocation For Adaptive Clinical Trials
Alba Rojas-Cordova, Virginia Tech, Blacksburg, VA, 24060, United States, albarc@vt.edu, Ebru Korular Bish

■ MC22

107B-MCC

Cost, Safety and Resource Allocation In Health Systems

Invited: ORinformed Healthcare Policies

Invited Session

Chair: Retsef Levi, MIT, Cambridge, MA, United States, retsef@mit.edu

1 - Data-driven Approaches To Improve The U.S. Kidney Allocation System
Nikolaos Trichakis, MIT, Cambridge, MA, United States, ntrichakis@mit.edu, Chaithanya Bandi, Phebe Vayanos

2 - Optimization-driven Framework To Understand Healthcare Networks Cost And Resource Allocation
Fernanda Bravo, UCLA Anderson School of Management, Los Angeles, CA, United States, fernanda.bravo@anderson.ucla.edu Marcus Braun, Vivek Farias, Retsef Levi

3 - New Data-driven Approach To Safety And Risk Management In Health Systems
Retsef Levi, Professor of Operations Management, MIT, 100 Main Street, BDG E62-562, Cambridge, MA, 02142, United States, retsef@mit.edu, Patricia Folcarelli, Yiqun Hu, Daniel Talmor, Jeffrey Adam Traina

■ MC23

108-MCC

Healthcare Delivery Modeling

Sponsored: Health Applications

Sponsored Session

Chair: Bryan A Norman, University of Pittsburgh, 1006 Benedum Hall, Pittsburgh, PA, 15261, United States, banorman@pitt.edu

1 - Modeling To Enhance The Nurse Handoff Process
Anna Svirsko, University of Pittsburgh, ACS167@pitt.edu
Bryan A Norman, David Rausch, Emily Shawley

2 - Closed-Form Solutions For Periodic Review Inventory Systemsin Healthcare
Nazanin Esmaili, University of Pittsburgh, Pittsburgh, PA, United States, nae22@pitt.edu, Bryan A Norman, Jayant Rajgopal

3 - Considering No-shows And Procedure Time Variability When Scheduling Endoscopy Patients
Karmel Shehadeh, University of Michigan, Ann Arbor, MI, United States, ksheha@umich.edu, Amy Cohn, Sameer Saini, Jacob Kurlander

4 - Improving Healthcare Resource Management Through Demand Prediction And Staff Scheduling
Nazanin Zinouri, Clemson University, 269 Freeman Hall, Clemson, SC, 29634, United States, nzinour@g.clemson.edu, Kevin Taffe

■ MC24

109-MCC

Personalizing Healthcare Decision-Making

Sponsored: Health Applications

Sponsored Session

Chair: Anil Aswani, UC Berkeley, 1, San Francisco, CA, United States, aaswani@berkeley.edu

1 - Incentive Design In The Medicare Shared Savings Program
Auyon Siddiq, UC Berkeley, Berkeley, CA, United States, auyon@berkeley.edu, Anil Aswani, Zuo-Jun (Max) Shen

2 - Approximation Algorithms For Population-scale Personal Dietary Management
Pedro Hespanhol, UC Berkeley, pedrohespanhol@berkeley.edu
Anil Aswani

3 - A Decision Analytics Approach For Clinical Intervention Design
Yonatan Mintz, UC Berkeley, ymintz@berkeley.edu, Anil Aswani, Philip Kaminsky, Yoshimi Fukuoka, Elena Flowers

4 - A Correlation-preserving Method To Estimate Risk Factor Trajectories From Cross-sectional Data
Sze-chuan Suen, USC, Los Angeles, CA, United States, suensze@gmail.com, Jeremy D. Goldhaber-Fiebert, Sanjay Basu

■ MC25

110A-MCC

Project Related SCM I

Invited: Project Management and Scheduling

Invited Session

Chair: Xiaoqiang Cai, The Chinese University of Hong Kong, Shatin, Hong Kong, Hong Kong, xqcai@se.cuhk.edu.hk

1 - Capacity Control Policies For Leasing Industry Based On Customers' Behavior
Lifeng Zhang, University of Electronic Science and Technology of China, Chengdu, China, anny78@163.com, Yinping Mu, Shiming Li

2 - Downstream Firm's Investment With Equity Holding In Decentralized Assembly Systems
Hong Fu, University of Electronic Science and Technology of China, Chengdu, China, hongfu@uestc.edu.cn
Yongkai Ma, Xiaoqiang Cai

3 - Ex-ante Transfer Pricing Decision In a Multinational Firm
Lianmin Zhang, Nanjing University, Nanjing, China, zhanglm@nju.edu.cn, Xiaopeng Zhang

4 - Optimal Policies For Two-products Supply Chain With Free Gift Cards Promotion
Yuefeng Li, University of Electronic Science and Technology of China, Chengdu, China, yuefengliuestc@yahoo.com
Jingming Pan, Xiaowo Tang

■ MC26

110B-MCC

Optimal Auctions

Invited: Auctions

Invited Session

Chair: Ian Kash, Microsoft, Cambridge, United Kingdom, iankash@microsoft.com

1 - A Continuous Approximation Method For Optimal Auction Design
Eiichiro Kazumori, SUNY, Buffalo, NY, United States, eiichiro.kazumori@gmail.com

2 - Strong Duality For A Multiple Good Monopolist
Christos Tzamos, MIT, tzamos@csail.mit.edu

3 - Optimal Auctions With Restricted Allocations
Ian Kash, Microsoft, iankash@microsoft.com

4 - Sample Complexity Of Revenue Maximization In The Hierarchy Of Deterministic Combinatorial Auctions
Tuomas Sandholm, Carnegie Mellon University, sandholm@cs.cmu.edu, Nina Balcan, Ellen Vitercik

■ MC27

201A-MCC

Organizational Learning and Problem Solving Strategies in Service Organizations

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Anita L Tucker, Brandeis, 415 South Street, MS 032, Waltham, MA, 02453-2728, United States, altucker@bu.edu

1 - Checklists In Aviation And Healthcare
Roger E Bohn, University of California-San Diego, rbohn@ucsd.edu

2 - The Moderating Role Of Organizational Context On Learning-by-doing
Bradley R Staats, University of North Carolina at Chapel Hill, bstaats@unc.edu

3 - Impact Of Tightly-coupled Team Familiarity And Learning-curve Heterogeneity On Orthopedic Procedure Times
Michael A Lapre, Vanderbilt University, michael.lapre@owen.vanderbilt.edu, David W Moore

4 - Integration And Quality Performance In Hospitals
Eitan Naveh, Technion – Israel Institute of Technology, Haifa, Israel, naveh@ie.technion.ac.il, Wiljeana Glover, Qing Li, Michael Gross

■ MC28

201B-MCC

New Supply Chain Inventory Problems Motivated by Practice

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Jeannette Song, Duke University, NC, United States, jingsheng.song@duke.edu

Co-Chair: Yue Zhang, Duke University, Durham, NC, United States, yueyue.zhang@duke.edu

1 - Online-retail Inventory Replenishment: A Dynamic Programming Approach
Stephen C Graves, Massachusetts Institute of Technology, Cambridge, MA, United States, sgraves@mit.edu
Annie I-An Chen

2 - Robust Inventory Allocation Under Process Flexibility
He Wang, Massachusetts Institute of Technology, 77 Massachusetts Avenue, E40-130, Cambridge, MA, 02139, United States, hewang150@gmail.com, David Simchi-Levi, Yehua Wei

3 - Stock Or Print? Impact Of 3D Printing On Critical Spare Parts Logistics
Yue Zhang, Duke University, Durham, NC, United States, yueyue.zhang@duke.edu, Jing-Sheng Jeannette Song

■ MC29

202A-MCC

Issues in Energy Efficiency and Renewable Energy

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Mili Mehrotra, University Of Minnesota, 321 19th Ave South, Minneapolis, MN, 55455, United States, milim@umn.edu

1 - Operational Response To Climate Change: Do Profitable Carbon Abatement Opportunities Decrease Over Time?
Christian Blanco, UCLA Anderson School of Management, Los Angeles, CA, United States, cblanco@anderson.ucla.edu
Felipe Caro, Charles J Corbett

2 - Closing A Supplier's Energy Efficiency Gap: The Role Of Assessment Assistance And Procurement Commitment
Quang Dang Nguyen, University of Minnesota, Minneapolis, MN, 55455, United States, nguy1762@umn.edu
Karen Donohue, Mili Mehrotra

3 - Mind The Gap: Coordinating Energy Efficiency And Demand Response
Eric Webb, Kelley School of Business, Indiana University, Bloomington, IN, 47405, United States, ermwebb@indiana.edu
Owen Wu, Kyle D Cattani

■ MC30

202B-MCC

New Business Models In Transportation

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Karan Girotra, INSEAD, Fontainebleau, France, karan.girotra@insead.edu

1 - Service Region Design For Urban Electric Vehicle Systems
Long He, National University of Singapore, longhe@nus.edu.sg, Ho-Yin Mak, Ying Rong, Zuo-Jun Max Shen

2 - Dynamic Type Matching
Ming Hu, University of Toronto, Toronto, ON, Canada, ming.hu@rotman.utoronto.ca, Yun Zhou

3 - Algorithmic Support For Bike-sharing System Operations At Motivate
David B Shmoys, Cornell University, david.shmoys@cornell.edu
Daniel Freund, Shane Henderson, Nanjing Jian

4 - Maximizing Ridership In Bike Sharing Systems Using Empirical Data And Stochastic Models
Vinayak Deshpande, University of North Carolina, Chapel Hill, NC, 27599, United States, Vinayak_Deshpande@kenan-flagler.unc.edu
Pradeep Kumar Pendem

■ MC31

202C-MCC

Operational Issues in Agriculture

Sponsored: Manufacturing & Service Oper Mgmt, iFORM

Sponsored Session

Chair: Onur Boyabatli, Singapore Management University, 50 Stamford Road 04-01, Singapore, 178899, Singapore, oboyabatli@smu.edu.sg

1 - Designing Contracts And Sourcing Channels To Create Shared Value
Joann de Zegher, Stanford University, jfdezegher@stanford.edu, Hau Leung Lee, Dan Andrei Iancu

2 - Third-wave Coffee: Sourcing And Pricing A Specialty Product Under Uncertainty
Shahryar Gheibi, Siena College, Loudonville, NY, United States, sgheibi@siena.edu, Burak Kazaz, Scott Webster

3 - New Results For Bounds In Newsvendor Problems
Saurabh Bansal, Penn State University, sub32@psu.edu

■ MC32

203A-MCC

Scheduling VI

Contributed Session

Chair: Matthew J Liberatore, Villanova University, 800 Lancaster Avenue, Villanova, PA, 19085, United States, matthew.liberatore@villanova.edu

1 - Job Shop Scheduling With Convex Costs
Reinhard Burgy, GERAD and Polytechnique Montreal, GERAD – HEC Montréal, 3000, ch. de la Côte-Sainte-Catherine, Montreal, QC, H3T 2A7, Canada, reinhard.burgy@gerad.ca

2 - Heuristics For Lot Streaming In Flow Shop Scheduling
Anurag Agarwal, Professor, University of South Florida, Information Systems and Decision Sciences, Coll of Business, Sarasota, FL, 34243, United States, agarwala@usf.edu, Ramakrishna Govindu

3 - A Multistart Algorithm For The Parallel Machine Scheduling Problem With Dependent Setup Times And Preventive Maintenance
Oliver Avalos-Rosales, Profesor Investigador de Tiempo Completo, Universidad Autónoma de Coahuila, orion 338, Satelite Norte, Saltillo, 25115, Mexico, aoliver84@gmail.com, Ada M. Álvarez, Francisco Angel-Bello

4 - Operating Room Scheduling Under Hybrid Demand
Hamed Yarmand, University of Massachusetts Boston, 2 Fatima Rd, Stoneham, MA, 02180, United States, hamed.yarmand@umb.edu, Amirreza Shojaeifard, Babak Rezaee

5 - Project Planning And Scheduling To Maximize Expected Quality In The Presence Of Stochastic Time Delays
Matthew J Liberatore, Villanova University, 800 Lancaster Avenue, Villanova, PA, 19085, United States, matthew.liberatore@villanova.edu, Bruce Pollack-Johnson

■ MC33

203B-MCC

Simulation I

Contributed Session

Chair: Barret Pengyuan Shao, Crabel Capital Management, 414 East Market Street Second Floor, Charlottesville, VA, 22903, United States, barretshao@gmail.com

1 - Simulation-based Optimization For Layout-based Grafting Resource Allocation
Sara Masoud, University of Arizona, 1300 E Fort Lowell Road, # A214, Tucson, AZ, 85719, United States, saramasoud@email.arizona.edu, Young-Jun Son, Chieri Kubota, Russell Tronstad

2 - Interfirm Imitation Under Relational And Institutional Influences
Kyun Kim, Doctoral Student, University of Texas at Dallas, 800 West Campbell Road, SM43, Richardson, TX, 75080, United States, kyun.kim@utdallas.edu, Zhiang (John) Lin

3 - Climate Prediction Markets And Investor Beliefs: An Agent-based Simulation
Jonathan Gilligan, Associate Professor, Vanderbilt University, 2301 Vanderbilt Place, PMB 351805, Nashville, TN, 37235-1805, United States, jonathan.gilligan@vanderbilt.edu, John J. Nay, Martin Van der Linden

4 - Agent-Based Simulation Of Production And Seeding Strategies For Innovations
Ashkan Negahban, Assistant Professor, Pennsylvania State University, 30 E Swedesford Rd, Malvern, PA, 19355, United States, anegahban@psu.edu, Jeffrey Smith

5 - Approximation Of Long Memory Process With Short Memory Process And Some Numerical Experiments
Barret Pengyuan Shao, Crabel Capital Management, 414 East Market Street Second Floor, Charlottesville, VA, 22903, United States, barretshao@gmail.com

■ MC34

204-MCC

Empirical Studies in Healthcare OM

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Song-Hee Kim, USC Marshall School of Business, 3670 Trousdale Parkway, Los Angeles, CA, 90089, United States, songheek@marshall.usc.edu

1 - Nursing Shift Assignment And Its Influence On Medical Outcomes: First Insights Of A Multicenter Study
Ludwig Kuntz, University of Cologne, Cologne, Germany, kuntz@wiso.uni-koeln.de, Felix Miedaner, Stefan Scholtes

2 - The Impact Of Internal Service Quality On Nurse Inefficiency And Medical Errors
Xin(Sarah) Zheng, Boston University, Boston, MA, United States, xinzheng@bu.edu, Anita L Tucker, Z Justin Ren, Janelle Heineke, Amy McLaughlin, Aubrey Podell

3 - Using Patient-centric Quality Information To Unlock Hidden Health Care Capabilities
Guihua Wang, Ross School of Business, University of Michigan, Ann Arbor, MI, 48105, United States, guihuaw@umich.edu
Jun Li, Wallace J Hopp

4 - Evidence Of Upcoding In Pay-for-Performance Programs
Hamsa Sridhar Bastani, Stanford University, Stanford, CA, United States, hsridhar@stanford.edu, Joel Goh, Mohsen Bayati

■ MC35

205A-MCC"

Empirical Research in Services

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Qiuping Yu, Indiana University, Kelley School of Business, Bloomington, IN, 47405, United States, qiupyu@indiana.edu

Co-Chair: Gad Allon, Professor, Kellogg School of Management, 2001 Sheridan Rd, Evanston, IL, 60208, United States, g-allon@kellogg.northwestern.edu

1 - Understanding Customers Retrial In Call Centers: Preference Of Service Quality And Service Speed
Kejia Hu, Kellogg School of Management, Northwestern University, k-hu@kellogg.northwestern.edu
Gad Allon, Achal Bassamboo

2 - The Reference Effect Of Delay Announcements: A Field Experiment
Qiuping Yu, Assistant Professor, Kelley School of Business, Indiana University, Bloomington, IN, 47405, United States, qiupyu@indiana.edu, Gad Allon, Achal Bassamboo

3 - When You Work With A Super Man, Will You Also Fly? An Empirical Study Of The Impact Of The Coworkers On Workers' Performance
Tom Tan, Cox School of Business, Southern Methodist University, ttan@smu.edu, Serguei Netessine

4 - Responsiveness And Learning In The Medical Device Product Recall Process
George Ball, Kelley School of Business, Indiana University, gpball@indiana.edu, Rachna Shah

■ MC36

205B-MCC

Incentive Design in Marketing and Operations

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Tinglong Dai, Johns Hopkins University, Baltimore, MD, United States, dai@jhu.edu

Co-Chair: Kinshuk Jerath, Columbia University, 3022 Broadway, New York, NY, 10027, United States, jerath@columbia.edu

1 - Salesforce Compensation With Network Effects
Hemant Bhargava, University of California, Davis, hemantb@ucdavis.edu, Olivier J Rubel

2 - Salesforce Contracting Under Yield Uncertainty
Tinglong Dai, Assistant Professor, Johns Hopkins University, 100 International Drive, Baltimore, MD, 21202, United States, dai@jhu.edu, Kinshuk Jerath

3 - Long-term Versus Short-term Contracting With Effort Shifting
Fei Long, Columbia University, New York, NY, United States, FLong18@gsb.columbia.edu, Kinshuk Jerath, Fangruo Chen

4 - Who Compensates The Sales Agent?
Duo Shi, PhD Student, Washington University in St. Louis, KH 401, Olin Business School, 1 Brookings Drive, Saint Louis, MO, 63130, United States, dshi@wustl.edu, Panos Kouvelis

■ MC37

205C-MCC

Socially Responsible Business Models

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Serguei Netessine, INSEAD, Singapore, Singapore, serguei.netessine@insead.edu

1 - To Sell And To Provide? The Economic And Environmental Implications Of The Auto Manufacturer's Involvement In The Car Sharing Business
Ioannis Bellos, George Mason University, ibellos@gmu.edu Mark Ferguson, Beril L Toktay

2 - Optimal Allocation Rules With Waste Considerations
Sara Rezaee Vessal, HEC Paris, Jouy en josas, France, sara.rezaee-vessal@hec.edu, Sam Aflaki, Dimitrios Andritsos

3 - Child Labor In Supply Chains: An Empirical Investigation
Sameer Hasija, INSEAD, sameer.hasija@insead.edu, Hsiao-Hui Lee, Niyazi Taneri

4 - Philanthropic Campaigns And Customer Behavior: Field Experiments In An Online Taxi Booking Company
Serguei Netessine, INSEAD, 1 Ayer Rajah Avenue, Singapore, 138676, Singapore, serguei.netessine@insead.edu Jasjit Singh, Nina Teng

■ MC38

206A-MCC

Social Media Analysis V

Invited: Social Media Analytics

Invited Session

Chair: Chris Smith, Air Force Institute of Technology, 2950 Hobson Way, 2950 Hobson Way, Wright-Patterson AFB, OH, 45433, United States, cms3am@virginia.edu

1 - App Developers' Product Offering Strategies In Multi-platform Markets
Degan Yu, PhD Candidate, University of Rhode Island, Ballentine Hall, 7 Lippitt Road, Kingston, RI, 02881, United States, yudegan@gmail.com

2 - Positive Impact Of Graphical Visualization Of Discussion Forums On Collaborative Learning
Jacqueline Ng, Northwestern University, 2145 Sheridan Road, C-230, Evanston, IL, 60208, United States, jacqueline.ng@u.northwestern.edu, Seyed Iravani

3 - Public Reactions To Supply Chain Events: A Twitter Sentimental Analysis Event Study
David Wuttke, EBS University, Burgstr. 5, Oestrich-Winkel, 65375, Germany, david.wuttke@ebs.edu, Christoph Schmidt, H. Sebastian Heese

4 - Effectiveness Of Network-Based Evacuation Warning Dissemination: An Experimental Investigation
Sulian Wang, Tsinghua University, 30 Shuangqing Road, Haidian, Beijing, 100084, China, wangsulian13@mails.tsinghua.edu.cn, Chen Wang

■ MC39

207A-MCC

Applied Probability and Optimization II

Sponsored: Applied Probability

Sponsored Session

Chair: Jiaming Xu, The Wharton School of the University of Pennsylvania, jiamingx@wharton.upenn.edu

1 - Low-rank Estimation: Why Non-convex Gradient Descent Works
Yudong Chen, Cornell University, Ithaca, NY, United States, yudong.chen@cornell.edu

2 - Scaled Least Squares Estimator For Glms
Murat A. Erdogdu, Stanford University, erdogdu@stanford.edu

3 - Reinforcement With Fading Memories
Se-Young Yun, Los Alamos National Lab, Los Alamos, NM, United States, yunseyoung@gmail.com, Kuang Xu

4 - Social Learning In The Presence Of Adversaries
Lili Su, University of Illinois at Urbana-Champaign, lilisu3@illinois.edu

■ MC40

207B-MCC

Target Setting in Efficiency Analysis

Invited: Data Envelopment Analysis

Invited Session

Chair: Dong Joon Lim, Portland State University, Engineering & Technology Management - Engineering & Computer Science, Maseeh College of (ETM), Portland, OR, 97207, United States, dongjoon@pdx.edu

1 - Study Of Capital Requirement And Bank Operating Efficiency
Yang Li, National University of Kaohsiung, Kaohsiung, Taiwan, yangli@nuk.edu.tw

2 - Inverse DEA With Frontier Changes For New Product Target Setting
Timothy Anderson, Portland State University, Portland, OR, 97201, United States, tim.anderson@pdx.edu, Dong-Joon Lim

3 - Evaluating Banker Et Al (2007) Allocative Efficiency Method
Paul Rouse, University of Auckland, p.rouse@auckland.ac.nz

4 - Measuring The Efficiency Of Suffolk County School Districts
Diana Hagedorn, Stony Brook University, 14 Orleans Court, Commack, NY, 11725, United States, diana.hagedorn@stonybrook.edu, Herbert F. Lewis, Thomas R Sexton

■ MC41

207C-MCC

Option Pricing and Estimation of Greeks

Sponsored: Financial Services

Sponsored Session

Chair: Xuewei Yang, Nanjing University, 22 Hankou Road, Gulou District, Nanjing, 210093, China, xwyang@nju.edu.cn

1 - Optimal Portfolio Deleveraging With Cross Asset Price Pressure
Jingnan Chen, Singapore University of Technology and Design, jingnan_chen@sutd.edu.sg, Yufei Yang, Jie Zhang

2 - A New Smooth Perturbation Analysis Approach To Sensitivity Analysis For Options With Discontinuous Payoffs
Yanchu Liu, Sun Yat-sen University, liuych26@mail.sysu.edu.cn, Zhijian He, Guangwu Liu

3 - Catastrophe Option Pricing With Auto-correlated And Catastrophe-dependent Intensity
Guanying Wang, Tianjin University, Tianjin, 300072, China, wangguanyingnk@163.com

4 - Option Pricing Under The Price Limits Mechanism: Evidence From China
Xuewei Yang, Nanjing University, xwyang@nju.edu.cn
Ning Cai

■ MC42

207D-MCC

Revenue Management in the Social Environment

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Ming Hu, University of Toronto, Toronto, ON, Canada, ming.hu@rotman.utoronto.ca

1 - Optimal Pricing In Networks With Latent Agents
Ozan Candogan, Chicago Booth, Ozan.Candogan@chicagobooth.edu, Baris Ata, Alexandre Belloni

2 - When Do Bidders Anticipate Regret During Auctions? Empirical Evidence From Ebay
A. Serdar Simsek, The University of Texas at Dallas, Richardson, TX, United States, Serdar.Simsek@utdallas.edu, Ozalp Ozer, Meisam Hejazi Nia

3 - Optimal Pricing In Social Networks Under Asymmetric Information
Yang Zhang, Tsinghua University, yangzhanguser@mail.tsinghua.edu.cn, Ying-ju Chen

■ MC43

208A-MCC

Decision Analysis Arcade I

Sponsored: Decision Analysis

Sponsored Session

Chair: Joshua Woodruff, University of Texas, Austin, TX, United States, joshua.woodruff@utexas.edu

1 - Assessment Of Drug Development Options: If, When And How Much?
Ozgur Ozkan, Decision Science Director, Astrazeneca Pharmaceuticals, Gaithersburg, MD, United States, Ozgur.Ozkan@astrazeneca.com

2 - Optimal Discretization For Decision Analysis
Joshua Woodruff, University of Texas, joshua.woodruff@utexas.edu

3 - Network Interdiction In Competitive Market Entry And Product Design
Benjamin Harris, Northeastern University, 360 Huntington Avenue, Boston, MA, 02115, United States, harris.be@husky.neu.edu, Sagar S Kamarthi

■ MC44

208B-MCC

Panel: Howard Raiffa: Celebration of His Life and Achievement

Sponsored: Decision Analysis

Sponsored Session

Moderator: Jeffrey Keisler, University of Massachusetts - Boston, 100 Morrissey Boulevard, Boston, MA, 02125, United States, jeff.keisler@umb.edu

1 - Howard Raiffa: Celebration Of His Life And Achievement
Jeffrey Keisler, University of Massachusetts, Boston, MA, United States, jeff.keisler@umb.edu

2 - Panelist
David Bell, Harvard Business School, Morgan Hall 171, Boston, MA, 02163, United States, dbell@hbs.edu

3 - Panelist
Ralph Keeney, Duke University, Fuqua School of Business, San Francisco, CA, 94111, United States, keeneyr@aol.com

4 - Panelist
Detlof Von Winterfeldt, University of Southern California, USC, Los angeles, CA, 90089, United States, winterfe@usc.edu

■ MC45

209A-MCC

Optimization via Simulation under Input Uncertainty

Sponsored: Simulation

Sponsored Session

Chair: Eunhye Song, Northwestern University, 2145 Sheridan Road, Evanston, IL, 60208, United States, eunhyesong2016@u.northwestern.edu

1 - Data-driven Construction Of Uncertainty Sets For Joint Chance-constrained Programs
Jeff Hong, City University of Hong Kong, jeffhong@cityu.edu.hk
Henry Lam, Zhiyuan Huang

2 - Asymptotics Of Risk Formulations For Simulation Optimization Under Input Uncertainty
Di Wu, Georgia Institute of Technology, Atlanta, GA, United States, dwu80@gatech.edu, Enlu Zhou

3 - An Optimization-based Approach To Input Uncertainty Via The Empirical Likelihood
Henry Lam, University of Michigan, khlam@umich.edu
Huajie Qian

4 - Leveraging The Common Input Data In Comparisons Of Systems Under Input Uncertainty
Eunhye Song, Northwestern University, Evanston, IL, United States, eunhyesong2016@u.northwestern.edu, Barry L Nelson

■ MC46

209B-MCC

Revenue Management in e-Commerce

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Joline Uichanco, University of Michigan, Ross School of Business, Ann Arbor, MI, United States, jolineu@umich.edu

1 - Minimum Advertised Pricing Policy: An Economic Analysis
Ozge Sahin, Johns Hopkins University, ozge.sahin@jhu.edu
Liang Ding, Roman Kapuscinski

2 - Omni-channel Revenue Management Through Pricing And Fulfillment Planning
Joline Uichanco, University of Michigan, Ann Arbor, MI, United States, jolineu@umich.edu
Pavithra Harsha, Shivaram Subramanian

3 - Cash-on-delivery In Emerging Markets: An Empirical Study
Richard Zhiji Xu, Kellogg School of Management, Northwestern University, Evanston, IL, United States, zhiji-xu@kellogg.northwestern.edu, Antonio Moreno-Garcia, Chaithanya Bandi

4 - Inventory Optimization For Fulfillment Integration In Omnichannel Retailing
Aravind Govindarajan, University of Michigan, 701 Tappan Street, Ann Arbor, MI, 48109, United States, arav@umich.edu, Amitabh Sinha, Joline Uichanco

■ MC47

209C-MCC

New Revenue Management Practices in Airline and Hotel Industries

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Ovunc Yilmaz, University of South Carolina, Columbia, SC, United States, oyilmaz@email.sc.edu

Co-Chair: Mark Ferguson, University of South Carolina, Columbia, SC, United States, mark.ferguson@moore.sc.edu

1 - Dynamic Pricing With A Fare-lock Option
Zhi-Long Chen, University of Maryland, Robert H Smith School of Business, Dept of Decision, Operations & Info Tech, College Park, MD, 20742-1815, United States, zchen@rhsmith.umd.edu
Ming Chen

2 - You Are Eligible For An Upgrade: A Critical Look At Hotel Standby Upgrades
Ovunc Yilmaz, PhD Student, University of South Carolina, Columbia, SC, United States, oyilmaz@email.sc.edu
Mark Ferguson, Pelin Pekgun

3 - The Rise Of The Sharing Economy: Estimating The Impact Of Air BnB On The Hotel Industry
Davide Proserpio, Boston University, dproserp@cs.bu.edu

4 - Price Volatility And Market Performance Measure: The Case Of Revenue Managed Goods
Benny Mantin, University of Waterloo, benny.mantin@uwaterloo.ca, Eran Rubin

■ MC48

210-MCC

New Insights from Social Media: Empirical Study, Field Experiment, and Algorithm Development

Invited: Social Media Analytics

Invited Session

Chair: Yen-Yao Wang, Michigan State University, 632 Bogue Street, Room N204, Okemos, MI, 48824, United States, wangyen@broad.msu.edu

1 - Social Media Engagement, Product Evaluations, And Demand Spillover In The Automobile Industry
Yen-Yao Wang, Michigan State University, wangyen@broad.msu.edu, Anjana Susarla, Roger Calantone, Yingda Lu

2 - The Dark Side Of Positive Social Influence
Che-Wei Liu, University of Maryland, College Park, MD, Un ited States, cwliu@rhsmith.umd.edu, Ritu Agarwal, Guodong (Gordon) Gao

3 - Influencers In Social Media – An Assessment Of Algorithmic Approaches In Big Data Environments
Shih-Hui Hsiao, Lawrence Technological University, Southfield, MI, United States, suade0904@msn.com, Ram Pakath

4 - Natural Language Processing: From Text Mining To Social Media Analysis
Chih-Hao Ku, Assistant Professor, Lawrence Technological University, 21000 W 10 Mile Rd, M309A, Southfield, MI, 48331, United States, cku@ltu.edu, Yung-Chun Chang

■ MC49

211-MCC

Estimating Sentiments Using Social Media

Invited: Social Media Analytics

Invited Session

Chair: Subodha Kumar, Mays Business School, Texas A&M University, 301-F, Wehner, 4217 TAMU, Mays Business School, College Station, TX, 77843, United States, skumar@mays.tamu.edu

1 - The Effects Of Social Media Sentiment On Engagement
Rakesh Reddy Mallipeddi, Mays Business School, Texas A&M University, College Station, TX, United States, rmallipeddi@mays.tamu.edu, Ramkumar Janakiraman, Subodha Kumar, Seema Gupta

2 - The Effect Of "online following" On Contributions To Open Source Communities
Xiaowei Mei, University of Florida, xiaowei.mei@warrington.ufl.edu, Mahdi Moqri, Liangfei Qiu, Subhajyoti Bandyopadhyay

3 - Manipulation For Competition: An Empirical Investigation Of Click Farming
Jingchuan Pu, University of Florida, jingchuan@ufl.edu Liangfei Qiu, Hsing K Cheng

■ MC51

213-MCC

Pricing and Revenue Management Applications

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: N. Bora Keskin, Duke University, Durham, NC, United States, bora.keskin@duke.edu

1 - Pricing Reservations: Dealing With No-shows
Jaelynn Oh, University of Utah, jaelynn.oh@business.utah.edu

2 - Trade Credit And Lifetime Value Of A Newsvendor Buyer
Meisam Soltani-koopa, Queen's University, Kingston, ON, Canada, 15msk3@queensu.ca, Yuri Levin, Mikhail Nediak, Anton Ovchinnikov

3 - Asymptotically Optimal Markdown Policies For Demand Learning
Hongfan Chen, University of Chicago, hongfan.chen@chicagobooth.edu, N. Bora Keskin

■ MC52

214-MCC

Panel: Pro Bono Analytics

Sponsored: Public Sector OR

Sponsored Session

Moderator: David T. Hunt, Oliver Wyman, One University Square, Princeton, NJ, 08540, United States, david.hunt@oliverwyman.com

1 - Pro Bono Analytics
David T. Hunt, Oliver Wyman, One University Square, Princeton, NJ, 08540, United States, david.hunt@oliverwyman.com

2 - Panelist
Matthew Brondum, US Army Corps of Engineers, Vicksburg, MS, United States, mcb345@cornell.edu

3 - Panelist
Joel Wright, PENCIL Foundation, Nashville, TN, United States, jwright@pencilfd.org

■ MC53

Music Row 1- Omni

Panel: Emerging Themes in Startup Product, Supply Chain & Technology Management

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Moderator: Nitin Joglekar, Boston University Questrom School of Business, 595 Commonwealth Avenue, Boston, MA, 02215, United States, joglekar@bu.edu

1 - Emerging Themes In Startup Product, Supply Chain & Technology Management
Nitin Joglekar, Boston University Questrom School of Business, joglekar@bu.edu

2 - Startup Operations: Investigating The Drivers And Consequences Of Entrepreneurial Risk
Jennifer Bailey, Babson College, jbailey@babson.edu

3 - Data Driven Innovation And Entrepreneurship
Jianxi Luo, Singapore University of Technology & Design, luo@sutd.edu.sg

4 - Field Experiments In Innovation
Joel Wooten, University of South Carolina, joel.wooten@moore.sc.edu

5 - Each Panelist Will Discuss The Themes And Approaches Pursued Over The Past Five Years
Onesun Steve Yoo, University College London, onesun.yoo@ucl.ac.uk

6 - Startup Financing: Some Theoretical And Empirical Studies Of Venture Capital Deals And Crowdfunding
Meyyappan Narayanan, Lakehead University, Thunder Bay, ON, Canada, meyyappan.narayanan@lakeheadu.ca

■ MC54

Music Row 2- Omni

Service Innovation in the Cognitive Era

Invited: Service Science

Invited Session

Chair: Changrui Ren, IBM Research - China, IBM Research - China, Beijing, 100193, China, rencr@cn.ibm.com

1 - Enterprise Cloud Garbage Collector
Sai Zeng, IBM T.J. Watson Research Center, Yorktown Heights, NY, United States, saizeng@us.ibm.com, Christopher Young, Karin Murthy

2 - Big Data Fueled Supply Risk Management: Sensing, Prediction, Evaluation And Mitigation
Changrui Ren, IBM Research - China, Beijing, China, rencr@cn.ibm.com, Miao He, Qinhua Wang

■ MC55

Music Row 3- Omni

Inventory Management II

Contributed Session

Chair: Heinrich Kuhn, Catholic University of Eichstaett-Ingolstadt, Auf der Schanz 49, Ingolstadt, 85049, Germany, heinrich.kuhn@ku.de

1 - Base-stock Models For Lost Sales - A Markovian Approach
Sang-Phil Kim, Assistant Professor, Winona State University, 175 W. Mark st., Somsen 406, Winona, MN, 55987, United States, Ksphil@me.com, Yanyi Xu, Maqbool Dada, Arnab Bisi, Suresh Chand

2 - Capacity Usage Estimation Methodology For Inventory Management
Ahmet Nuroglu, Yildiz Technical University, Barbaros Bulvari, Yildiz-Istanbul, 34349, Turkey, envernuroglu@gmail.com, Fahrettin Eldemir

3 - An Inventory Model With Fuzzy Demand In a Two-echelon Supply Chain Management: Drug Distribution In Hospital Pharmacy
Parisa Jannatifard, graduate Student and teacher assistant, Southern Illinoise University Edwardsville, Edwardsville, IL, 62026, United States, pjannat@siue.edu, Javad Sadeghi

4 - Inventory Pooling And Transshipment Under Correlated Fat-Tail Demands
Zhen Liu, Numerix LLC, 1237 Bristol Ln, Buffalo Grove, IL, 60089, United States, zhenliu@alum.northwestern.edu

5 - Cyclic Vs. Static Inventory Policy Assumptions When Optimizing Case-pack Sizes In Grocery Retailing
Heinrich Kuhn, Catholic University of Eichstaett-Ingolstadt, Auf der Schanz 49, Ingolstadt, 85049, Germany, heinrich.kuhn@ku.de, Thomas Wensing, Michael Sternbeck

■ MC56

Music Row 4- Omni

IT and Services

Sponsored: EBusiness

Sponsored Session

Chair: Atanu Lahiri, University of Texas at Dallas, Richardson, TX, United States, atanu.lahiri@utdallas.edu

1 - Data-driven Optimization: Revenue Analytics For A Supply-side Network Via Traffic-stream Mixing
Zhen Sun, University of Texas-Dallas, 800 west campbell rd, Richardson, TX, United States, zhen.sun@utdallas.edu, Milind Dawande, Ganesh Janakiraman, Vijay S Mookerjee

2 - Cardinality Bundles With Complex Costs
Jianqing Wu, Foster School of Business, University of Washington, Seattle, WA, United States, fisherwu@uw.edu, Mohit Tawarmalani, Karthik Kannan

4 - An Economic Analysis Of The Impact Of Recommender Systems On Product Search
Abhijeet Ghoshal, University of Louisville, abhijeet.ghoshal@louisville.edu, Vijay M. Mookerjee, Sumit Sarkar

■ MC57

Music Row 5- Omni

Experiments in Supply Chain Management

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Andrew M. Davis, Cornell University, Ithaca, NY, United States, adavis@cornell.edu

1 - Experimental Evidence On Post-choice Forecasting Bias: Do Optimizers Know They're Cursed?
Jordan Tong, University of Wisconsin, jtong@bus.wisc.edu

2 - Firm Objectives And Managers' Pricing Decisions: Theory And Experiments
Rashmi Sharma, Penn State University, rashmi.sharma@psu.edu, Saurabh Bansal, Elena Katok

3 - Multidimensional Bargaining In Supply Chains: An Experimental Study
Kyle Hyndman, University of Texas at Dallas, kyleb.hyndman@utdallas.edu, Andrew M. Davis

4 - Group Identity To Manipulate Social Preferences In Sales And Operations Planning
Felix Papier, Associate Professor, ESSEC Business School, 3 Av Bernhard Hirsch BP 50105, Cergy Pontoise Cedex, France, papier@essec.edu, Ulrich Thonemann, Torsten Gully

■ MC58

Music Row 6- Omni

Energy VII

Contributed Session

Chair: Par Holmberg, Associate Professor, Research Insitute of Industrial Economics (IFN), Grevgatan 34, Stockholm, SE10215, Sweden, par.holmberg@ifn.se

1 - Electricity Resource Capacity Expansion With Distributed Energy Resources: A New MILP Formulation
Jesse D Jenkins, PhD Candidate, Massachusetts Institute of Technology, Cambridge, MA, 02139, United States, jessedj@mit.edu

2 - Price Projections For Ancillary Services Markets Under Hypothetical Future Scenarios
Todd Levin, Energy Systems Engineer, Argonne National Laboratory, 9700 S. Cass Ave, Bldg 362, Lemont, IL, 60439, United States, tlevin@anl.gov, Zhi Zhou

3 - An Efficient Integer L-shaped Method For A Two-stage Self-healing Power Grid Problem
Amir Golshani, PhD Candidate, University of Central Florida, Orlando, FL, United States, amir.golshani@knights.ucf.edu, Wei Sun, Qipeng Zheng

4 - Toward Cost-efficient And Reliable Unit Commitment Under Uncertainty
Hrvoje Pandzic, Faculty of Electrical Engineering and Computing University of Zagreb, Unska 3, Zagreb, 10000, Croatia, hrvoje.pandzic@fer.hr, Yury Dvorkin, Ting Qiu, Yishen Wang, Daniel Kirschen

5 - Price Instability In Multi-unit Auctions
Par Holmberg, Associate Professor, Research Insitute of Industrial Economics (IFN), Grevgatan 34, Stockholm, SE10215, Sweden, par.holmberg@ifn.se, Edward James Anderson

■ MC59

Cumberland 1- Omni

Freight Network Design

General Session

Chair: James F Campbell, University of Missouri-St Louis, Saint Louis, MO, TBD, United States, campbell@umsl.edu

1 - Strategic Design For Delivery With Drones And Trucks
James F Campbell, University of Missouri-St Louis, St. Louis, MO, United States, campbell@umsl.edu, Donald C. Sweeney II, Juan Zhang

2 - A Quantitative Model For Truck Parking And Hours Of Service Regulations
Sarah G Nurre, University of Arkansas, 425 W. Louise Street, Fayetteville, AR, 72701, United States, snurre@uark.edu

■ MC60

Cumberland 2- Omni

Methodological Advances and Empirical Discoveries in Travel and Activity Choice Modeling

Sponsored: TSL, Urban Transportation

Sponsored Session

Chair: Sayeeda B. Ayaz, UMass Amherst, UMass Amherst, Amherst, MA, 01003, United States, sbayaz@engin.umass.edu

1 - Bike Route Choice Modeling Without Choice Sets Of Paths: Estimation, Prediction And Accessibility Measure
Maelle Zimmermann, Université de Montreal, maelle.zimmermann@gmail.com

2 - A Random Utility Based Estimation Framework For The Household Activity Pattern Problem
Zhiheng Xu, University at Buffalo, Buffalo, NY, United States, zhihengx@buffalo.edu, Jee Eun Kang, Roger Chen

3 - Looking-ahead Route Choice Behavior Based On Driving Simulator And Pc-based Experiments
Sayeeda B. Ayaz, University of Massachusetts Amherst, Marston 139, 130 Natural Resources Rd, Amherst, MA, 01003, United States, sbayaz@engin.umass.edu, Hengliang Tian, Song Gao, Donald Fisher

4 - The Initial Condition Problem With Complete History Dependency In Learning Models For Travel Choice
Yue Tang, UMass Amherst, yuet@umass.edu

■ MC61

Cumberland 3- Omni

Rail Safety and Risk

Sponsored: Railway Applications

Sponsored Session

Chair: Xiang Liu, Rutgers, The State University of New Jersey, Piscataway, NJ, United States, xiang.liu@rutgers.edu

1 - Analysis Of Railroad Accident Investigation Reports Using Probabilistic Topic Models And K-means Clustering
Trefor Williams, Rutgers University, New Brunswick, NJ, United States, tpw@rci.rutgers.edu, John Betak

2 - Statistical Modeling Of Freight Train Accident Estimation
Zhao Wang, University of Illinois at Urbana - Champaign, Urbana, IL, United States, zwang144@illinois.edu

3 - Simulation-based Risk Analysis Model For Optimizing Rail Flaw Inspection Frequency
Xiang Liu, Rutgers University, xiang.liu@rutgers.edu

■ MC62

Cumberland 4- Omni

Market Structure, Competition and Constraints in the Airline Industry

Sponsored: Aviation Applications

Sponsored Session

Chair: Martin E Dresner, University of Maryland-College Park, R H Smith School of Business, College Park, MD, 20742, United States, mdresner@rhsmith.umd.edu

1 - Excess Inventory As A Market Entry Deterrence Mechanism: Evidence From The Us Airline Markets
Chen Zhou, University of South Carolina, chen.zhou@moore.sc.edu

2 - Modeling Multimodal Network Equilibrium For Unregulated Intercity Travel: An Equilibrium Problem With Equilibrium Constraints Approach
Bo Zou, University of Illinois at Chicago, Chicago, IL, United States, bzou@uic.edu, Mohamadhossein Noruzoliaee, Lili Du

3 - Costs And Benefits Of 'Open Skies' In The East African Community (EAC)
Megersa Abate, Swedish National Road and Transport Research Institute, megersa.abate@vti.se

4 - The Impacts Of Merging And Acquisition On Route Entry Behavior: An Empirical Test Of The Contingency Framework In The US Domestic Airline Industry
Li Zou, Embry-Riddle Aeronautical University, zoul@erau.edu, Janani Thiagarajan

■ MC63

Cumberland 5- Omni

Robust Planning in Air Transportation Systems

Sponsored: Aviation Applications

Sponsored Session

Chair: Adan Vela, Technical Staff, MIT Lincoln Laboratory, 244 Wood Street, Lexington, MA, 02420-9108, United States, adan.vela@ll.mit.edu

Co-Chair: James Jones, Technical Staff, MIT Lincoln Laboratory, 244 Wood St., Arlington, MA, 02420, United States, James.Jones@ll.mit.edu

1 - Inferring The State Of The Air Transportation System Using Mobile Phone Data
Eric Feron, Georgia Institute of Technology, Atlanta, GA, United States, feron@gatech.edu, Aude Marzuoli, Emmanuel Boidot, Helene Piquet

2 - An Integrated Framework For Military Airlift Planning
James Jones, MIT Lincoln Laboratory, James.Jones@ll.mit.edu

■ MC64

Cumberland 6- Omni

MCDM in Infrastructure Network Resilience Planning

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Kash Barker, Associate Professor, University of Oklahoma, 202 W Boyd St, Rm. 124, Norman, OK, 73019, United States, kashbarker@ou.edu

1 - Multiple Criteria Multidimensional Resilience Framework For Disaster Evaluation
Dante Gama Dessavre, Stevens Institute of Technology, Castle Point on Hudson, Hoboken, NJ, 07030, United States, dgamades@stevens.edu, Jose Emmanuel Ramirez-Marquez, Andrea Garcia Tapia

2 - Multi-criteria Formulation For Defending Multi-commodity Networks
Matthew McCarter, University of Oklahoma, Norman, OK, United States, mattm@ou.edu, Kash Barker

3 - Component Criticality Analysis Of A Multi-commodity Network
Mackenzie G Whitman, University of Oklahoma, Norman, OK, United States, mgwhitman@ou.edu, Kash Barker

4 - Multi-criteria Formulation For Network Recovery Decision Making
Nazanin Morshedlou, University of Oklahoma, nazanin.morshedlou@ou.edu

■ MC65

Mockingbird 1- Omni

Economics of Health Information Technology

Sponsored: Information Systems

Sponsored Session

Chair: Hilal Atasoy, Temple University, Fox School of Business, Phialdelphia, PA, 19122, United States, hilal.atasoy@temple.edu

1 - Antecedents And Consequences Of Electronic Medical Record System Changes
Kartik Krishna Ganju, Temple University, tuc67632@temple.edu

2 - Impact Of Organizational Usage Experience On Service Operation Efficiency: A Study Of Online Care Delivery
Changmi Jung, Johns Hopkins University, changmi@jhu.edu

3 - Is Technology Eating Nurses? Staffing Decisions In Nursing Homes
Abraham Seidmann, University of Rochester, Simon Business School, Dir of OR Dept, Rochester, NY, 14627, United States, avi.seidmann@simon.rochester.edu, Lu Feng, Huaxia Rui

■ MC66

Mockingbird 2- Omni

IEEE T-ASE Invited Session I

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Jingshan Li, University of Wisconsin-Madison, 1513 University Ave, Madison, WI, 53706, United States, Jingshan.li@wisc.edu

1 - A Decentralized Stay-time Based Occupant Distribution Estimation Method For Buildings
Qing-Shan Jia, Tsinghua University, jiaqs@mail.tsinghua.edu.cn

2 - Collaborative Energy And Thermal Comfort Management Through Distributed Consensus Algorithms
John Wen, RPI, wenj@rpi.edu

3 - Analysis on Energy Efficient Switching Of Machine Tool With Stochastic Arrivals And Buffer Information
Andrea Matta, Shanghai Jiaotong University, matta@sjtu.edu.cn

■ MC67

Mockingbird 3- Omni

Panel Discussion on Publishing in Quality and Reliability: The Editors' Perspective

Panel Session

Moderator: Kaibo Wang, Tsinghua University, Beijing, China, kbwang@tsinghua.edu.cn

1 - Panel Discussion on Publishing In Quality And Reliability: The Editors' Perspective
Kaibo Wang, Tsinghua University, kbwang@tsinghua.edu.cn

2 - Panelist: IIE Transactions
Jianjun Shi, Georgia Institute of Technology, jianjun.shi@isye.gatech.edu

3 - Panelist: QTQM
Jing Li, Arizona State University, jing.li.8@asu.edu

4 - Panelist: Quality Engineering
Murat Caner Testik, Hacettepe University, mtestik@hacettepe.edu.tr

5 - Panelist: Technometrics
Peihua Qiu, University of Florida, pqiu@phhp.ufl.edu

6 - Panelist: Journal Of Quality Technology
Fugee Tsung, HKUST, season@ust.hk

■ MC68

Mockingbird 4- Omni

Reliability Evaluation and Optimization from Complex Systems I

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Eunshin Byon, University of Michigan, College Station, MI, United States, ebyon@umich.edu

Co-Chair: Qingyu Yang, Wayne State University, Detroit, MI, United States, qyang@wayne.edu

1 - A Space-time Autoregressive Model For Radar Images Under A Lagrangian Integration Scheme
Xiao Liu, IBM T.J. Watson Research Center, Yorktown Heights, NY, United States, liuxiaodnn_1@hotmail.com

2 - Reliability Modeling For Continuous-state Systems
Xinying Wu, Ohio University, wuxinying2009@gmail.com, Tao Yuan

3 - On The Probabilistic Site Selection Problem
Yiwen Xu, North Dakota State University, Fargo, ND, 58102, United States, yiwen.xu6@gmail.com, Haitao Liao

4 - A Physical-statistical Hybrid Model For Li-ion Battery Prognosis
Nan Chen, National University of Singapore, isecn@nus.edu.sg

■ MC69

Old Hickory- Omni

Military Resource Management

Sponsored: Military Applications

Sponsored Session

Chair: Brian J Lunday, Air Force Institute of Technology, P.O. WPAFB, OH, 1, United States, brian.lunday@afit.edu

1 - Discrete Event Simulation-based Analysis Of Personnel Evaluation Policy
Lee A. Evans, University of Louisville, Louisville, KY, United States, laevan04@louisville.edu, Prajwal Khadgi

2 - Modeling And Forecasting Army Enlistments With Geographic Data Weighting, Principal Components Analysis, And Linear Regression
Joshua McDonald, U.S. Army, Aberdeen Proving Ground, MD, United States, joshua.l.mcdonald10.mil@mail.mil

3 - Optimal Design Of Piezoelectric Materials For Maximal Energy Harvesting
Russell Nelson, United States Military Academy, West Point, NY, 10996, United States, russell.nelson@usma.edu, Hong Zhou, Susan Sanchez

4 - Risk Assessment In Robust Goal Programming
Robert Hanks, Air Force Institute of Technology, robert.hanks@afit.edu

■ MC70

Acoustic- Omni

Transportation, Maritime III

Contributed Session

Chair: Liliana Delgado Hidalgo, Doctoral Candidate, University of Arkansas and Universidad del Valle, 4207 Bell Engineering Center, Fayetteville, AR, 72701, United States, ld002@uark.edu

1 - A Constraint Programming Approach For A Parallel Machine Scheduling Problem With Time Intervals And Sequence Dependent Setup Times
Ridvan Gedik, University of New Haven, 300 Boston Post Rd, Buckman Hall 223 F, West Haven, CT, 06516, United States, rgedik@newhaven.edu, Chase Rainwater

2 - A Rolling Horizon Approach For Integrated Yard Crane Scheduling And Container Handling In A Stochastic Environment
Filip Covic, PhD Student, Institute for Operations Research, University of Hamburg, Von-Melle-Park 5, Hamburg, 20146, Germany, filip.covic@uni-hamburg.de, Mehdi Karimi-Nasab

3 - Simulation Approach For A Container Terminal, A Case Study
Nabil Nehme, Assistant Professor, Lebanese American University, Ramlet El- Baida, Thomas Edison Street, Beirut, Lebanon, nehme_nabil@hotmail.com, Faten Abou Shakra, Clovis Francis

4 - Barge Assignment And Scheduling During Inland Waterway Disruption Response
Liliana Delgado Hidalgo, Doctoral Candidate, University of Arkansas and Universidad del Valle, 4207 Bell Engineering Center, Fayetteville, AR, 72701, United States, ld002@uark.edu, Heather Nachtmann

■ MC71

Electric- Omni

Supply Chain, Shipping III

Contributed Session

Chair: Umit Saglam, Assistant Professor, East Tennessee State University, East Tennessee State University, PO Box 70625, Johnson City, TN, 37614, United States, saglam@etsu.edu

1 - Application Of Service Industry In Port Management
Maryam Hamidi, University of Arizona, 3121 E Bellevue Street, Unit 2, Tucson, AZ, 85716, United States, mhamidi@email.arizona.edu

2 - Centralized And Decentralized Warehouse Logistics With Stochastic Demand Collaboration
Shiman Ding, University of California Berkeley, Berkeley, CA, 94706, United States, shiman@berkeley.edu, Philip Kaminsky

3 - A Change Of Gear: Managing Modal Split Transport (mst)
Chuanwen Dong, Kuehne Logistics University, Grosser Grasbrook 17, Hamburg, 20457, Germany, chuanwen.dong@the-klu.org, Sandra Transchel, Stefan Minner

4 - Multiproduct Batch Production And Truck Shipment Scheduling Under Different Shipping Policies
Umit Saglam, Assistant Professor, East Tennessee State University, East Tennessee State University Department of Management and Marketing, PO Box 70625, Johnson City, TN, 37614, United States, saglam@etsu.edu

■ MC72

Bass- Omni

Supply Chain Mgt VII

Contributed Session

Chair: Turgut Aykin, Managing Member, Aykin Associates, 136 Buckmanville Rd., New Hope, PA, 18938, United States, taykin@aykinassociates.com

1 - Robust Supply Chain System Under Yield Uncertainty
Samir A Alsobhi, Assistant Professor, Yanbu University College, Yanbu Alsinaiyah, 51000, Saudi Arabia, Alsobhis@rcyci.edu.sa, Krishna Krishnan

2 - A Location Allocation Model For Facility Planning To Minimize The Operational Cost
Damitha Bandara, Assistant Professor, Albany State University, 504 College Dr, Albany, GA, 31705, United States, damitha.bandara@asurams.edu

3 - Project Management Inventory And Due Date Study In Push And Pull Contracts
Xingxing Chen, Washington University- St. Louis, Campus Box 1156, One Brookings Drive, Saint Louis, MO, 63130, United States, xingxing.chen@wustl.edu, Panos Kouvelis, Yu Xia

4 - Product Recalls In The Consumer Products Industry: Evidence Of A Silver Lining
Carolyn Queenan, Assistant Professor, University of South Carolina, Darla Moore School of Business, 1014 Greene St, Columbia, SC, 29208, United States, carrie.queenan@moore.sc.edu, Adams Steven, Yan Dong, Manus Rungtusanatham

5 - Demand And Supply Planning In Configure-to-order Supply Chains
Turgut Aykin, Managing Member, Aykin Associates, 136 Buckmanville Rd., New Hope, PA, 18938, United States, taykin@aykinassociates.com

■ MC79

Legends G- Omni

Health Care, Modeling VII

Contributed Session

Chair: Jacqueline Griffin, Northeastern University, 360 Huntington Ave., 334 Snell Engineering Center, Boston, MA, 2115, United States, ja.griffin@neu.edu

1 - Optimizing Chemoradiotherapy To Target Multi-Site Metastatic Disease And Tumor Growth
Hamidreza Badri, PhD Student, University of Minnesota, IsyE University of Minnesota, 111 Church Street S.E., Minneapolis, MN, 55455, United States, badri019@umn.edu, Kevin Leder, Ehsan Salari

2 - Integrated Physician And Clinic Scheduling Problem In an Ambulatory Cancer Treatment Polyclinic
Mohammad Tohidi, PhD Candidate, Concordia University, 7400 Sherbrooke West, Apt 218, Montreal, QC, H4B 1R8, Canada, m_tohidi@encs.concordia.ca, Masoumeh Kazemi Zanjani, Ivan Contreras

3 - Does Specialization Of Hospitals Increase Operational Efficiency?
Saied Samiedaluie, Postdoctoral Fellow, The University of British Columbia, Vancouver, BC, Canada, saied.samiedaluie@gmail.com, Vedat Verter

5 - Multi Attribute Balanced Scheduling In An Integrated Outpatient Clinic
Jacqueline Griffin, Northeastern University, 360 Huntington Ave., 334 Snell Engineering Center, Boston, MA, 02115, United States, ja.griffin@neu.edu, Vahab Vahdatzad, Sarah Burns

■ MC86

Gibson Board Room-Omni

Marketing III

Contributed Session

1 - Nonlinear Customer Satisfaction Index Model
Nobuhiko Terui, Professor, Tohoku University, Faculty of Economics, Kawauchi Aoba-Ku, Sendai, 980-8576, Japan, terui@econ.tohoku.ac.jp, Xing Aijing, PK Kannan

2 - Intimacy And Loyalty In Parasocial Relationships
Lenita Davis, Professor, University of Arkansas-Little Rock, 1200 Brookwood Drive, Apt 463, Little Rock, AR, 72202, United States, lmdavis@ualr.edu, Elizabeth Micahel

3 - Managerial Overconfidence And Brand Capital
Nithya Shankar, Assistant Professor of Marketing, State University of New York at Plattsburgh, Plattsburgh, NY, United States, nithya.shankar21@gmail.com, Staceyann Sharpe, Bill Francis

4 - When Better Product Quality Imply More Advertising
Regis Chenavaz, KEDGE Business School, Marseille Cedex 9, France. r.chenavaz@gmail.com, Sajjad Jasimuddin

■ MC94

5th Avenue Lobby-MCC

Technology Tutorial: GAMS/LINDO

Technology Tutorial

1 - GAMS: Introduction To Modeling In GAMS
Steven P Dirkse, GAMS Development Corporation, Washington, DC, United States, sdirkse@gams.com

2 - LINDO: Optimization Modeling Made Easy
Mark A Wiley, LINDO Systems Inc, 1415 No Dayton Street, Chicago, IL, 60622, United States, mwiley@lindo.com, Gautier Laude

Monday, 3:10PM - 4:00PM

■ Monday Plenary

Davidson Ballroom-MCC

Omega Rho – 40th Year Anniversary Panel

Plenary Session

Chair: Graham Rand, Lancaster University, United Kingdom, Lancaster, LA1 4YX

1 - Omega Rho - 40th Year Anniversary Panel
Graham Rand, Lancaster University, Lancaster, United Kingdom, g.rand@lancaster.ac.uk

2 - Panelist
John R. Birge, Jerry W. and Carol Lee Levin Professor of Operatio, University of Chicago, Booth School of Business, Chicago, IL, United States, John.Birge@ChicagoBooth.edu

3 - Panelist
John D. Little, Massachusetts Institute of Technology, M.I.T. Sloan School Of Management, Room E62-534, Cambridge, MA, 02142, United States, jlittle@mit.edu

4 - Panelist
Ralph Keeney, Duke University, San Francisco, CA, United States, keeneyr@aol.com

Monday, 4:30PM - 6:00PM

■ MD01

101A-MCC

Data Mining for State Transition Modeling

Sponsored: Data Mining

Sponsored Session

Chair: Victoria C. P. Chen, The University of Texas at Arlington, Dept. of Ind., Manuf., & Sys. Engr., Campus Box 19017, Arlington, TX, 76019, United States, vchen@uta.edu

1 - A High-dimensional State Transition Development Framework For Deicing Activities At Dallas-fort Worth International Airport
Zirun Zhang, FedEx, zhang.zirun@gmail.com

2 - State Transition Modeling For An Interdisciplinary Pain Management Program
Nilabh Ohol, The University of Texas at Arlington, nilabh.ohol@mavs.uta.edu

3 - Challenges In State Transition Modeling For A System Of Electric Vehicle Charging Stations
Ying Chen, The University of Texas at Arlington, ying.chen@mavs.uta.edu

4 - Multicollinearity In State Transition Modeling
Victoria C. P. Chen, University of Texas, 701 S. Nedderman Drive, Arlington, TX, 76019, United States, vchen@uta.edu, Bancha Ariyajunya, Ying Chen, Seoung Bum Kim

■ MD02

101B-MCC

Panel: Funding Issues at NSF

Invited: NSF

Invited Session

Moderator: Sheldon H Jacobson, University of Illinois, 201 N. Goodwin Avenue (MC258), Urbana, IL, 61801, United States, shj@illinois.edu

1 - Funding Issues At NSF: Broader Impact Changes
Panelist: Sheldon H Jacobson, University of Illinois, shj@illinois.edu

2 - Funding Opportunities At The National Science Foundation
Panelist: Diwakar Gupta, University of Minnesota and National Science Foundation, guptad@umn.edu

3 - Broader Impact at NSF
Panelist: Sheldon Jacobson, University of Illinois, shj@illinois.edu

■ MD03

101C-MCC

Daniel H. Wagner Prize Competition III

Award Session

Chair: C. Allen Butler, Daniel H Wagner Associates, Inc., 2 Eaton Street, Hampton, VA, 23669, United States, Allen.Butler@va.wagner.com

1 - IBM Cognitive Technology Helps Aqualia Reduce Costs And Save Resources In Wastewater Treatment
Alexander Zadorojniy, IBM Research, IBM Haifa Research Lab, Haifa, Israel, Zalex@il.ibm.com, Segev Wasserkrug, Sergey Zeltyn, Vladimir Lipets

2 - Implementationof The Genetic Gain Performance Metric Accelerates Agricultural Productivity
Joseph Byrum, Syngenta, West Des Moines, IA, 50265, United States, joseph.byrum@syngenta.com, Craig Davis, Greg Doonan, Tracy Doubler, Bill Beavis, Von Kaster, Sam Parry, Ronald Mowers

■ MD04

101D-MCC

Optimization for Enhancing Critical Infrastructure Resilience

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Feng Qiu, Argonne National Laboratory, 9700 S. Cass Avenue, Lemont, IL, 60439, United States, fqiu@anl.gov

Co-Chair: Matteo Spada, Paul Scherrer Institut, OHSA/D19, 5232 Villigen PSI, Villigen PSI, Switzerland, matteo.spada@psi.ch

1 - A Framework For Measuring Infrastructure Resilience Of Energy Systems Taking Natural Hazards And Technical Failures As Disruption Triggers
Peter Lustenberger, Paul Scherrer Institut/ETH Zurich, Singapore, Singapore, lustenberger@frs.ethz.ch, Tianyin Sun, Patrick Gasser, Wansub Kim, Peter Burgherr, Matteo Spada, Stefan Hirschberg

2 - Prioritization Of Infrastructure Resilience Investments
Julia Phillips, Argonne National Laboratory, phillipsj@anl.gov

3 - Wind-participated Power System Restoration
Feng Qiu, Argonne National Laboratory, fqiu@anl.gov

4 - Repair, Rebuild, Or Replace? Protecting Aging Infrastructure From Hazards And Threats
David L. Alderson, Naval Postgraduate School, dlalders@nps.edu, Jan Brendecke, Kyle Y Lin

■ MD05

101E-MCC

Power System Generation and Transmission Expansion

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Enzo E Sauma, Pontificia Universidad Catolica de Chile, Vicuña Mackenna 4860, Macul., Santiago, 7820436, Chile, esauma@ing.puc.cl

1 - Risk-averse Transmission And Generation Planning: Wecc Case Study
Francisco Munoz, Universidad Adolfo Ibáñez, elpanchomunoz@gmail.com, Harry van der Weijde, Benjamin Field Hobbs, Jean-Paul Watson

2 - How Technical Operational Details Affect Generation Expansion In Oligopolist Markets
Efraim Centeno, Universidad Pontificia Comillas - IIT, Efraim.Centeno@iit.comillas.edu, Sonja Wogrin, Adelaida Nogales

3 - Sustainable Transmission Planning In Imperfectly Competitive Electricity Industries: Balancing Economic Efficiency And Environmental Outcomes
Afzal S. Siddiqui, Stockholm University, Stockholm, Sweden, Afzal S. Siddiqui, HEC Montréal, Montréal, QC, H3T 2A7, Canada, afzal.siddiqui@ucl.ac.uk, Makoto Tanaka, Yihsu Chen

4 - Power Capacity Expansion Planning And The Influence Of Network Payment Schemes
Enzo Sauma, Pontificia Universidad Católica de Chile, esauma@ing.puc.cl, Diego Bravo, Javier Contreras, Sebastián de la Torre, José Aguado, David Pozo

■ MD06

102A-MCC

Business Analytics and Text Mining

Sponsored: Data Mining

Sponsored Session

Chair: Xiao Liu, University of Arizona, 1130 E. Helen St., Tucson, AZ, 85721, United States, xiaoliu@email.arizona.edu

1 - A Network-based Inference Model For Estimating Missing Attributes
Da Xu, University of Utah, da.xu@eccles.utah.edu

2 - Extracting Signals From Social Media Text With Natural Language Processing, Machine Learning And Domain Adaptation
Wenli Zhang, University of Arizona, Tucson, AZ, United States, wenlizhang@email.arizona.edu, Sudha Ram

3 - The Effect Of Rating System Design On Emotion Sharing
Ying Liu, Arizona State University, yingliu_is@asu.edu

4 - Webcasting Game Or Sharing Experience? Exploring The Role Of Team-created Word-of-mouth In Football Game Attendance
Yang Wang, University of Utah, yang.wang@eccles.utah.edu, Nick Sullivan, Shyam Gopinath

■ MD07

102B-MCC

Urban Data Analytics and Mining

Sponsored: Data Mining

Sponsored Session

Chair: Xun Zhou, University of Iowa, S210 PBB 21 East Market Street, Iowa City, IA, 52242, United States, xun-zhou@uiowa.edu

1 - A Traffic Flow Approach To Early Detection Of Gathering Events
Amin Vahedian, University of Iowa, Iowa City, IA, United States, amin-vahediankhezerlou@uiowa.edu, Xun Zhou

2 - Mapping The Structure Of China'S Cities Network
Xiaolong Xue, Harbin Institute of Technology, xlxue@hit.edu.cn

3 - A Markov Decision Process Approach To Optimizing Taxi Driver Business Efficiency
Xun Zhou, University of Iowa, xun-zhou@uiowa.edu

4 - Operation Strategies And Algorithms For Minibus Systems In Hong Kong
Jacky Pak Ki Li, PhD Student, VU University Amsterdam, De Boelelaan 1081a, Amsterdam, 1081 HV, Netherlands, jacky.li@kpu.ca

■ MD08

103A-MCC

Tutorial: Data-Driven Research in Revenue Management

Invited: Business Model Innovation

Invited Session

Chair: David Simchi-Levi, Massachusetts Institute of Technology, Masachusetts Avenue, Cambridge, MA, 0, United States, dslevi@mit.edu

1 - Data-Driven Research In Revenue Management
David Simchi-Levi, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA, United States, dslevi@mit.edu

■ MD09

103B-MCC

Management of Stochastic Resources, Demand, and Energy Efficiency

Invited: Energy Systems Management

Invited Session

Chair: Lindsay Anderson, Cornell University, 316 Riley Robb Hall, Ithaca, NY, 14853, United States, landerson@cornell.edu

1 - The Value Of Transmission Lines And Its Implications For Electricity Systems With Stochastic Resources
Alberto J Lamadrid, Lehigh University, ajlamadrid@Lehigh.EDU

2 - Optimal Offering Of Wind Power In Energy And Primary Reserve Markets
Tue Vissing Jensen, Technical University of Denmark, Kgs Lyngby, Denmark, tvjens@elektro.dtu.dk, Pierre Pinson, Tiago Soares, Hugo Morais, Hugo Morais

3 - Integrating Roof-top Solar PV And Residential Energy Efficiency In The Carolinas: Feasibility And Impacts On Costs, Reliability And Emissions
Dalia Patino Echeverri, Duke University, dp52@duke.edu, Bandar Alqahtani

4 - Energy Efficiency Of Data Center Operating Practices: Server Clustering, Powering On/off And Bang-bang Control
Young Myoung Ko, Pohang University of Science and Technology, Pohang, 37673, Korea, Republic of, youngko@postech.ac.kr, Yongkyu Cho

■ MD10

103C-MCC

Managing Transitions in Regulated Energy Markets

Sponsored: Energy, Natural Res & the Environment, Energy II Other

Sponsored Session

Chair: Bertrand Williams-Rioux, KAPSARC, Riyadh, 11672, Saudi Arabia, bertrand.rioux@kapsarc.org

Co-Chair: Frederic H Murphy, Temple University, Temple University, Philadelphia, PA, 19121, United States, fmurphy@temple.edu

1 - A Hybrid Top-down, Bottom-up Approach For Saudi Arabia
Hossa Al-Mutairi, King Abdullah Petroleum Studies and Research Center, P.O. Box 88550, Riyadh, Saudi Arabia, hossa.mutairi@kapsarc.org

2 - North America Natural Gas Model: Impacts Of Market Deregulation In Mexico
Felipe Feijoo, Pacific Northwest National Laboratory, College Park, MD, 2, United States, felipe.feijoo@pnnl.gov

3 - US Biofuel Market And Policy Model – A GAMS/EMP Approach
Adam Christensen, University of Wisconsin - Madison, Madison, WI, 4, United States, adam.christensen@wisc.edu

4 - How do Price Caps In China's Electricity Sector Impact The Economics Of Coal, Power And Wind? Potential Gains From Reforms
Bertrand Williams-Rioux, King Abdullah Petroleum Studies And Research Center, P.O. Box 88550, Riyadh, Saudi Arabia, Bertrand.rioux@kapsarc.org

■ MD11

104A-MCC

Network Vulnerability Analysis and its Applications

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Neng Fan, University of Arizona, Tucson, AZ, United States, nfan@email.arizona.edu

1 - Subgraph Identification With Connectivity Requirements
Ou Sun, University of Arizona, suno@email.arizona.edu

2 - Reliable Power Grid Expansion With Renewable Integration And Storage System
Bader Alsuhaim, University of Arizona, alsuhaib@email.arizona.edu

3 - Multilevel Optimization For Resilient Planning Of Interdependent Water And Energy System
Shanshan Hou, University of Arizona, shanshanh@email.arizona.edu

4 - Diameter-constrained Lambda-edge-connected K-subgraph Problem
Yongying Zhou, University of Arizona, yongyingz@email.arizona.edu

■ MD12

104B-MCC

Mixed Integer Programming Formulations and Applications

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Juan Pablo Vielma, Massachusetts Institute of Technology, Cambridge, MA, United States, jvielma@mit.edu

1 - Small Independent Branching Formulations For Unions Of V-polyhedra
Joey Huchette, Massachusetts Institute of Technology, Cambridge, MA, United States, huchette@mit.edu, Juan Pablo Vielma

2 - Embedding Formulations For Unions Of Convex Bodies
Juan Pablo Vielma, MIT, jvielma@mit.edu

3 - Winning Daily Fantasy Sports Hockey Contests Using Integer Programming
Scott Hunter, MIT, dshunter@mit.edu, Juan Pablo Vielma, Tauhid Zaman

4 - Smart Grids Observability Using Bilevel Programming
Claudia D'Ambrosio, Ecole Polytechnique, LIX CNRS (UMR7161), Palaiseau, France, dambrosio@lix.polytechnique.fr

■ MD13

104C-MCC

Project and Resource Planning

Sponsored: Optimization, Computational Optimization and Software

Sponsored Session

Chair: Haitao Li, Univ. of Missouri - St Louis, St Louis, MO, United States, lihait@umsl.edu

Co-Chair: Cipriano A. Santos, Distinguished Technologist, HPe-IT Center of Excellence, Virtual Office, Palo Alto, CA, 94304, United States, cipriano.santos@hpe.com

1 - An Optimization Approach To Workforce Planning In Professional Service Firms
Vincent Hargaden, Assistant Professor, University College Dublin, 209 Engineering & Materials Science Centre, Belfield, Dublin 4, Ireland, vincent.hargaden@ucd.ie, Jennifer K. Ryan, Amir Azaron

2 - Simulation -Optimization For Strategic Workforce Planning
Manuel Laguna, University of Colorado Boulder, laguna@colorado.edu

3 - Talent Optimization For The Knowledge Economy
Cipriano A. Santos, HP Enterprise, cipriano.santos@hpe.com

■ MD14

104D-MCC

IAAA and Sygenta Reprise

Sponsored: Analytics

Sponsored Session

Chair: Tarun Mohan Lal, Mayo Clinic, 1, Rochester, MN, 12345, United States, mohanlal.tarun@mayo.edu

■ MD15

104E-MCC

Network Modeling and Inference

Sponsored: Artificial Intelligence

Sponsored Session

Chair: Adel Javanmard, Assistant Professor, University of Southern California, Bridge Hall, 3670 Trousdale Parkway, Los Angeles, CA, 90089, United States, ajavanma@marshall.usc.edu

1 - Co-clustering Of Non-smooth Graphons
David Sungjun Choi, Carnegie Mellon University, davidch@andrew.cmu.edu

2 - Aggregate Variation Under Network Perturbation
Azarakhsh Malekian, Rotman School of management, azarakhsh.malekian@rotman.utoronto.ca

3 - Diffusion Disparities In Competitive Settings
Yotam Shmargad, School of Information, University of Arizona, yotam@email.arizona.edu

■ MD16

105A-MCC

Distributionally Robust Optimization

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Angelos Georghiou, Swiss Federal Institute of Technology, Zurich, Zurich, 00000, Switzerland, angelosg@control.ee.ethz.ch

Co-Chair: Grani Adiwena Hanasusanto, University of Texas at Austin, Austin, TX, 1015, United States, grani.hanasusanto@utexas.edu

1 - Robust Control With Adjustable Uncertainty Sets: Providing Frequency Reserves To The Power Grid Via Demand Response
Angelos Georghiou, Dr, Swiss Federal Institute of Technology, Zurich, Switzerland, angelosg@control.ee.ethz.ch, Xiaojing Zhang, Maryam Kamgarpour, John Lygeros

2 - Two-stage Distributionally Robust Linear Programming Over Wasserstein Balls
Grani Adiwena Hanasusanto, Assistant Professor, The University of Texas at Austin, Austin, TX, United States, grani.hanasusanto@utexas.edu, Daniel Kuhn

3 - Bounds On Random Binary Quadratic Programs
Karthik Natarajan, Singapore University of Technology and Design, karthik_natarajan@sutd.edu.sg

4 - Multi-objective Robust Optimization
Aurelie Thiele, Associate Professor, Southern Methodist University, Dallas, TX, United States, aurelie@alum.mit.edu

■ MD17

105B-MCC

Robust Optimization and Learning

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Xi Chen, Assistant Professor, New York University, 44 West 4th Street, New York, NY, 10012, United States, xchen3@stern.nyu.edu

Co-Chair: Qihang Lin, The University of Iowa, 101 Jessup Hall, Iowa City, IA, 52242, United States, qihang-lin@uiowa.edu

1 - Piecewise Affine Policies For Two-stage Optimization Under Demand Uncertainty
Vineet Goyal, Columbia University, vgoyal@ieor.columbia.edu, Aharon Ben-Tal, Omar El Housni

2 - Distributional Robust Analysis For Log-concave And IFR Distributions
Simai He, Shanghai University of Finance and Economics, simaihe@mail.shufe.edu.cn

3 - Recovering Statistical Guarantees Via The Empirical Robust Optimization
Henry Lam, University of Michigan, khlam@umich.edu

4 - Optimal Regret In Multi Armed Bandits Under Heavy Tailed And Correlated Reward Processes
Alexej Proskynitopoulos, Northwestern University, Evanston, IL, United States, alexej.proskynitopoulos@kellogg.northwestern.edu, Chaithanya Bandi

■ MD18

106A-MCC

Statistical Learning under a Modern Optimization Lens

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Dimitris Bertsimas, Operations Research Center, MIT, MIT, E40-111, Cambridge, MA, 02139, United States, dbertsim@mit.edu

Co-Chair: Dimitris Bertsimas, Operations Research Center, MIT, MIT, E40-111, Cambridge, MA, 02139, United States, dbertsim@mit.edu

1 - Missing Data Imputation Via A Modern Optimization Lens
Colin Pawlowski, Massachusetts Institute of Technology, Cambridge, MA, United States, cpawlows@mit.edu, Dimitris Bertsimas, Ying Zhuo

2 - Multi-target Tracking Via Mixed Integer Optimization
Shimrit Shtern, Operations Research Center, MIT, sshtern@mit.edu, Zachary C. Saunders

3 - Optimal Sparse Inverse Covariance Estimation
Jourdain Bernard Lamperski, Operations Research Center, MIT, jourdain@mit.edu

4 - Optimal Low Rank Factor Analysis
Martin S. Copenhaver, Operations Research Center, MIT, Cambridge, MA, United States, mcopen@mit.edu, Dimitris Bertsimas, Rahul Mazumder

■ MD19

106B-MCC

Networks and Geography in Optimization

Sponsored: Computing

Sponsored Session

Chair: John Gunnar Carlsson, University of Southern California, University of Southern California, Los Angeles, CA United States, jcarlsso@usc.edu

1 - A Decomposition Heuristic For The One-warehouse Multi-retailer Problem With Batch Costs
Alejandro Toriello, Georgia Institute of Technology, Atlanta, GA, United States, atoriello@isye.gatech.edu, Weihong Hu

2 - Bounds For The Euclidean Generalized Travelling Salesman Problem
John Gunnar Carlsson, University of Southern California, jcarlsso@usc.edu

3 - Distributionally Robust Travelling Salesman Problem With Wasserstein Distance
Mehdi Behroozi, Visiting Scholar, University of Southern California, Los Angeles, CA, United States, mehdi.behroozi@usc.edu, John Gunnar Carlsson

■ MD20

106C-MCC

Recent Developments in Multistage Stochastic Programming

Invited: Tutorial

Invited Session

Chair: Alan King, IBM Research, 1, Yorktown Heights, NY, 15, United States, kingaj@us.ibm.com

1 - Recent Developments In Multistage Stochastic Programming
Alan King, IBM Research, Yorktown Heights, NY, 10, United States, kingaj@us.ibm.com

■ MD21

107A-MCC

Healthcare Information Systems

Sponsored: Health Applications

Sponsored Session

Chair: Yi-Chin Lin, Hofstra University, Hempstead, Weller Hall 032, Hempstead, NY, 11549-1000, United States, yichin.kl@gmail.com

Co-Chair: Rema Padman, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA, 15213, United States, rpadman@cmu.edu

1 - Physician Quality And Online Reviews
Danish Saifee, PhD Student, Naveen Jindal School of Management/The University of Texas at Dallas, 800 West Campbell Road, Richardson, TX, 75080, United States, dxs121230@utdallas.edu, Indranil Bardhan, Eric Zheng

2 - Patient Experience And The Adoption And Use Of Hospital Health Information Technology
Yunfeng Shi, Assistant Professor, The Pennsylvania State University, 504E Ford Building, University Park, PA, 16802, United States, yus16@psu.edu, Verónica Fuentes Cáceres

3 - The Evidence On Chronic Kidney Disease Patient Education: A Review Of The Literature And A Case Study
Hilary Wolfendale, Doctoral Student, Carnegie Mellon University, Hamburg Hall, 4800 Forbes Avenue, Pittsburgh, PA, 15213, United States, hwolfend@andrew.cmu.edu, Rema Padman, Amelia M Haviland

4 - Designing M-health Services For User Engagement And Health Promotion: An App For Healthy Eating
Yi-Chin Kato-Lin, Hofstra University, Hempstead, NY, United States, yichin.lin@hofstra.edu

■ MD22

107B-MCC

Policy Modeling and Analysis in Healthcare

Sponsored: ORinformed Healthcare Policies

Sponsored Session

Chair: Turgay Ayer, Georgia Institute of Technology, Atlanta, GA, United States, ayer@isye.gatech.edu

1 - Evaluating Diversion Programs For Drug Offenders
Margaret Brandeau, Stanford University, Stanford, CA, United States, brandeau@stanford.edu, Cora Bernard, Konner Robison

2 - Carrot Or Stick? The Role Of Incentives In Achieving Meaningful Health It Security
M Eric Johnson, Professor, Vanderbilt Universtity, Nashville, TN, 37205, United States, eric.johnson@owen.vanderbilt.edu, Juhee Kwon

3 - Prioritizing Hepatitis C Treatment In US Prisons
Turgay Ayer, Georgia Tech, ayer@isye.gatech.edu, Can Zhang, Anthony Bonifonte, Anne Spaulding, Jagpreet Chhatwal

■ MD23

108-MCC

Healthcare Delivery with New Technology Development and Patient Choice

Sponsored: Health Applications

Sponsored Session

Chair: Mabel Chou, National University of Singapore, Mochtar Riady Building, 15 Kent Ridge Drive, BIZ1 #8-66, Singapore, Singapore, mabelchou@nus.edu.sg

1 - Optimal Mobile Health Clinic Delivery Aimed At Minimizing Long-run Average Healthcare Costs
Fang Liu, Nanyang Technological University, liu_fang@ntu.edu.sg, Pengfei Guo, Song Jiu, Yulan Wang

2 - Appointment Scheduling With Time-dependent Patient No-show
Qingxia Kong, Assistant Professor, Erasmus University, Rotterdam, Netherlands, qingxia.kong@gmail.com, Shan Li, Nan Liu, Chung-Piaw Teo, Zhenzhen Yan

3 - Hospital Portering Service Delivery Analysis And Design
Mabel Chou, National University of Singapore, Singapore, Singapore, mabelchou@nus.edu.sg

■ MD24

109-MCC

Decision Models in Healthcare/Clinical Settings.

Sponsored: Health Applications

Sponsored Session

Chair: Vishal Ahuja, Southern Methodist University, 12, Dallas, TX, United States, vahuja@smu.edu

1 - Issuing Policies For Hospital Blood Inventory
Alireza Sabouri, Haskayne School of Business, University of Calgary, alireza.sabouri@haskayne.ucalgary.ca, Steven Shechter, Woonghee Tim Huh

2 - Quantitative Approaches For Measuring And Relieving Congestion In A Dialysis Unit At A Hospital: The Case Of Compassionate Dialysis
Olga Bountali, Southern Methodist University, 3145 Dyer street, Dallas, TX, United States, obountali@smu.edu, Sila Çetinkaya, Vishal Ahuja

3 - Efficient Sampling From Large Databases For Controlled Trials
Sanjay Mehrotra, Professor, Northwestern University, Evanston, IL, 60208, United States, mehrotra@northwestern.edu, Daniel Apley, Liwen Ouyang

4 - Optimal Stopping For Response-guided Dosing
Jakob Kotas, PhD, University of Portland, Portland, OR, 37221, United States, kotas@up.edu

■ MD25

110A-MCC

Project Related SCM II

Invited: Project Management and Scheduling

Invited Session

Chair: Xiaoqiang Cai, The Chinese University of Hong Kong, Shatin NT, xqcai@se.cuhk.edu.hk

1 - Procurement Strategies With Asymmetric Yield Information
Houcai Shen, Nanjing University, hcshen@nju.edu.cn

2 - Optimal Design Of Omnichannel
Xiaolin Xu, Nanjing University, xuxl@nju.edu.cn

3 - Pricing And Ordering Strategies Of Supply Chain With Selling Gift Cards
Wenqing Shi, University of Electronic Science and Technology of China, Chengdu, China, shiwenqing1218@163.com, Jingming Pan, Xiaowo Tang

4 - Product Quality Choice In Two-echelon Supply Chains Under Post-sale Liability: Insights From Wholesale Price Contracts
Jianchang Fan, Doctor, University of Electronic Science and Technology of China, Qingshuihe Campus: No.2006, Xiyuan Ave, West Hi-Tech Zone, Chengdu, 611731, China, love.andyfan@163.com, Debing Ni

■ MD26

110B-MCC

Auctions, Markets, and Mechanism Design

Invited: Auctions

Invited Session

Chair: Brian Baisa, Amherst College, Amherst, MA, United States, bbaisa@amherst.edu

1 - Mechanism Design For Team Formation
Greg Leo, Vanderbilt University, Nashville, TN, United States, g.leo@vanderbilt.edu, Martin van der Linden, Jian Lou, Yevgeniy Vorobeychik, Myrna Wonders

2 - Equilibrium In a Uniform-Price Auction withPrivate Values
Justin Burkett, Wake Forest University, burketje@wfu.edu

3 - Strategic Ironing In Pay-as-bid Auctions: Equilibrium Existence With Private Information
Kyle Woodward, University of North Carolina at Chapel Hill, Gardner Hall, CB 3305, Chapel Hill, NC, 27599-3305, United States, kyle.woodward@unc.edu

4 - Efficient Multi-unit Auction Design Without Quasilinear Preferences
Brian Baisa, Amherst College, bbaisa@amherst.edu

■ MD27

201A-MCC

New Frontiers in Operations Management

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Retsef Levi, Sloan School of Management, 100 Main Street, Building E62-562, Cambridge, MA, 02142, United States, retsef@mit.edu

1 - Exploration Vs. Exploitation: Reducing Uncertainty In Operational Problems
Yaron Shaposhnik, MIT, Cambridge, MA, 02139, United States, shap@mit.edu, Chen Attias, Robert Krauthgamer, Retsef Levi

2 - Competitive Analysis Of Online Scheduling Algorithms For Infusion Center Appointments
Michael Hu, MIT, Cambridge, MA, United States, hum@mit.edu, Kimia Ghobadi, Retsef Levi

3 - Incentivized Actions In Freemium Games
Lifei Sheng, PhD Candidate, UBC, 2053 Main Mall, Vancouver, BC, Canada, fay.sheng@sauder.ubc.ca, Christopher Ryan, Mahesh Nagarajan

4 - Process Capacity: Exact Analysis And The Bottleneck Formula
Yang Bo, Naveen Jindal School of Management, The University of Texas at Dallas, 2200 Waterview Pkwy, Apt. 27304, Richardson, TX, 75080, United States, yxb120630@utdallas.edu, Milind Dawande, Tim Huh, Ganesh Janakiraman, Mahesh Nagarajan

■ MD28

201B-MCC

Operations Management for Fashion Goods

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Robert Swinney, Duke University, Durham, NC, United States, robert.swinney@duke.edu

1 - Attribute-based Modeling Of Product Recommendations
Sajad Modaresi, Duke University, Durham, NC, United States, sajad.modaresi@duke.edu, Fernando Bernstein

2 - Managing Online Content To Build A Follower Base
Felipe Caro, UCLA Anderson School of Management, felipe.caro@anderson.ucla.edu, Victor Martínez-de-Albéniz

3 - Inventory And Channel Integration In The Presence Of Strategic Consumers
Arian Aflaki, Duke University, Durham, NC, United States, aa251@duke.edu, Robert Swinney

4 - Fast And Furious? The Impact Of Delivery Lead-times In Online Buyer Behavior
Eduard Calvo, Assistant Professor, IESE, Barcelona, Spain, ecalvo@iese.edu, Víctor Martínez-de-Albéniz, Alex Thiele

■ MD29

202A-MCC

Innovative Models in CLSC: Returns, Remanufacturing, Recycling, and Servicization

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Gal Raz, Ivey Business School, 1255 Western Rd., London, ON, N6G 0N1, Canada, graz@ivey.ca

1 - Recycling As A Strategic Supply Source
Gal Raz, Ivey Business School, Western Unversity, graz@ivey.ca

2 - Servicizing Business Models: A Supply Chain Perspective
Jeremy John Kovach, Assistant Professor, Texas Christian University, TCU Box 298530, Fort Worth, TX, 76129, United States, j.j.kovach@tcu.edu, Ioannis Bellos

3 - The Effect Of Regulation on DfE Innovation
Cheryl Druehl, George Mason University, cdruehl@gmu.edu, Gal Raz, Vered Blass

4 - Drivers And Benefits Of Return Policies For Online Retailers
Guangzhi Shang, Florida State University, gshang@business.fsu.edu

■ MD30

202B-MCC

Retail Operations II

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Santiago Gallino, Dartmouth College, Hanover, NH, United States, santiago.gallino@tuck.dartmouth.edu

1 - Optimizing Customer Pick-up Locations Using An Empirical Model
Chloe Kim, The Whaton School, chloekim@wharton.upenn.edu, Marshall L Fisher, Xuanming Su

2 - Prioritizing Outbound Calls In A Sales Contact Center
Marcelo Olivares, Universidad de Chile, molivares@u.uchile.cl

3 - Management And Effects Of In-store Promotional Displays
Oguz Cetin, UNC Kenan-Flagler Business School, Oguz_Cetin@kenan-flagler.unc.edu, Adam J Mersereau, Ali Kemal Parlakturk

4 - Spatial Competition And Preemptive Entry In The Discount Retail Industry
Fanyin Zheng, Columbia Business School, fz2225@gsb.columbia.edu

■ MD31

202C-MCC

Operations and Financing Interface

Sponsored: Manufacturing & Service Oper Mgmt, iFORM

Sponsored Session

Chair: Guoming Lai, Univ. of Texas Austin, 2110 Speedway Stop B6500, Austin, TX, 78712, United States, laiguoming@gmail.com

Co-Chair: Qi Wu, Case Western Reserve University, Cleveland, OH, 44106, United States, qxw132@case.edu

1 - Capital Structure With Asset Flexibility
Qi Wu, CWRU, Cleveland, OH, United States, qxw132@case.edu, Peter Ritchken

2 - Operational And Financial Interactions In Supply Chain Network Structure
John R Birge, University of Chicago, John.Birge@ChicagoBooth.edu

3 - Competitive Risk Management
Danko Turcic, Washington Univ. in St. Louis, turcic@wustl.edu, Guang Xiao, Panos Kouvelis

4 - Inventory Operations Under The Shadow Of Company Stock Price
Guoming Lai, UT-Austin, laiguoming@gmail.com

■ MD32

203A-MCC

Scheduling

Contributed Session

Chair: Med Labidi, Assistant professor, King Saud University, IED, Riyadh, 11421, Saudi Arabia, mlabidi@ksu.edu.sa

1 - A Mathematical Model And A Heuristic For The Capacitated Lot Sizing Problem In Process Industries
Chandrasekharan Rajendran, Professor, IIT Madras, DoMS, IIT Madras, Chennai, 600036, India, crajiitm@gmail.com, Ramya Ravi, Hans Ziegler

2 - Scheduling When You Don't Know The Number Of Machines
Mingxian Zhong, Columbia University, 528 Riverside Drive, Apt 4A, New York, NY, 10027, United States, mz2325@columbia.edu, Clifford Stein

3 - Facility Recovery Plan Under Resource Constraints
Gang Li, Bentley University, Management Department, 175 Forest Street, Waltham, MA, 02452-4705, United States, gli@bentley.edu, Xiangtong Qi

4 - Energy Conscious Robot Scheduling In Robotic Cell Manufacturing
Vahid Eghbal Akhlaghi, Research Assistant, Middle East Technical University, Cankaya, METU, Yurt. 2, room 112-1, Ankara, 06800, Turkey, vahid.akhlaghi@metu.edu.tr, Hakan Gultekin, Sinan Gurel

■ MD33

203B-MCC

Simulation II

Contributed Session

Chair: Geonsik Yu, Yonsei University, Seoul, Korea, Republic of, geonsik.yu@gmail.com

1 - Siting A Geological Disposal Facility – A Discrete Event Simulation Approach.
Matthew Gilbert, Mr, University of Warwick, Statistics, University of Warwick, Coventry, CV4 7ES, United Kingdom, m.g.gilbert@warwick.ac.uk, Simon French, Jim Q Smith

2 - Estimating Cumulative Mean Behavior Using Standardized Time Series
Dashi Singham, Naval Postgraduate School, 1411 Cunningham Road, Operations Research Department, Monterey, CA, 93943, United States, dsingham@nps.edu, Michael Atkinson

3 - Managing The Delays Caused By Slow Groups In Golf
MoonSoo Choi, Columbia University, 500 West 120th Street, S.W. Mudd Building, New York, NY, 10027, United States, moonsoo.choi@columbia.edu, Qi Fu, Ward Whitt

4 - Simulation Metamodeling In The Presence Of Model Inadequacy
Xiaowei Zhang, Hong Kong University of Science and Technology-HKUST, Room 5559B, Academic Building, HKUST, Clear Water Bay, Hong Kong, NA, China, xiaoweiz@ust.hk, Lu Zou

5 - When The Diversified Organization Prevails: A Simulation Approach
Geonsik Yu, Yonsei University, Seoul, Korea, Republic of, geonsik.yu@gmail.com

■ MD34

204-MCC

Joint Session HAS/MSOM: Healthcare Operations

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Mahboubeh Madadi, Louisiana Tech University, 123, Ruston, LA, 71272, United States, madadi@latech.edu

1 - Team Primary Care Practice Scheduling Problem
Ekin Koker, University of Massachusetts-Amherst, Amherst, MA, United States, ekoker@umass.edu, Hyun Jung Oh, Hari Balasubramanian, Ana Muriel

2 - Optimal Decision Making In The Processing Of Human Breast Milk
Ruichen Sun, University of Pittsburgh, Pittsburgh, PA, United States, rus19@pitt.edu, Lisa M Maillart, Andrew J Schaefer

3 - A Stochastic Programming Approach For Surgery Scheduling Under Limited Availability Of Turnover Teams
Serhat Gul, TED University, serhat.gul@tedu.edu.tr

■ MD35

205A-MCC

Empirical Service Operations

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Robert Louis Bray, Kellogg School of Management, 830 Hinman Ave, Apt 2S, Evanston, IL, 60202, United States, robertlbray@gmail.com

1 - Modeling Growth In Service Operations: Evidence From The App Economy
Ken Moon, The Wharton School, Philadelphia, PA, United States, kenmoon@wharton.upenn.edu, Haim Mendelson

2 - Managing Product Quality In The Face Of Field Failures
Ahmet Colak, Northwestern University, Evanston, IL, United States, a-colak@kellogg.northwestern.edu

3 - Impact Of Callers' History On Abandonment: Model And Implications
Seyed Emadi, UNC - Kenan Flagler Business School, Chapel Hill, NC, 27599, United States, Seyed_Emadi@kenan-flagler.unc.edu, Jayashankar M Swaminathan

4 - Multitasking, Multi-armed Bandits, And The Italian Judiciary
Robert Louis Bray, Kellogg School of Management, robertlbray@gmail.com

■ MD36

205B-MCC

Control, Learning, and Strategic Behavior in Queueing Models

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Philipp Afeche, University of Toronto, 105 St. George Street, Toronto, ON, M5S 3E6, Canada, afeche@rotman.utoronto.ca

1 - Dynamic Control Of A Call Center With The Callback Option
Xiaoshan Peng, University of Chicago Booth School of Business, x-peng@chicagobooth.edu, Baris Ata

2 - Learning And Impatience In Queues
Senthil Veeraraghavan, Wharton School of the University of Pennsylvania, senthilv@upenn.edu, Li Xiao, Hanqin Zhang

3 - Jumping The Line, Charitably: Analysis And Remedy Of The Donor Priority Rule
Tinglong Dai, Assistant Professor, Johns Hopkins University, 100 International Drive, Baltimore, MD, 21202, United States, dai@jhu.edu, Ronghuo Zheng, Katia P. Sycara

4 - Learning And Earning For Congestion-prone Service Systems
N. Bora Keskin, Duke University, Durham, NC, United States, bora.keskin@duke.edu, Philipp Afeche

■ MD37

205C-MCC

Sustainability in Supply Chains

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Georgia Perakis, Massachusetts Institute of Technology, Cambridge, MA, United States, georgiap@mit.edu

Co-Chair: Maxime Cohen, Google NYC, New York, NY, United States, maxccohen@gmail.com

1 - Optimal Stopping Of Subsidies To Products With Network Externality
Ningyuan Chen, HKUST, Hong Kong, Hong Kong, nychen@ust.hk, Saed Alizamir, Vahideh Manshadi

2 - A Unifying Framework For Consumer Surplus Under Demand Uncertainty
Charles Thraves, MIT, cthraves@mit.edu, Maxime Cohen, Georgia Perakis

3 - Price Competition Based On Relative Prices Or Subsidies
Awi Federgruen, Columbia University, New York, NY, United States, af7@gsb.columbia.edu, Lijian Lu

4 - Risk-aware Demand Management Of Aggregators Participating In Energy Programs With Utilities
Ana Radovanovic, Google, anaradovanovic@google.com

■ MD38

206A-MCC

Reliability

Contributed Session

Chair: Zhimin Xi, University of Michigan-Dearborn, 4901 Evergreen Road, 2240 HPEC, Dearborn, MI, 48128, United States, zxi@umich.edu

1 - Estimation Of Field Reliability Based On Aggregate Lifetime Data
Piao Chen, National University of Singapore, Singapore, Singapore, cp@u.nus.edu

2 - ALT With Exponentially Changing Stress Durations Under Cost Constraint
David Han, University of Texas at San Antonio, Management Science & Statistics, College of Business, San Antonio, TX, 78249-0632, United States, david.han@utsa.edu

3 - Fault Localization Of A Series System When Tests Are Imperfect
Tonguc Unluyurt, Sabanci University, Orhanli Tuzla, Istanbul, 34956, Turkey, tonguc@sabanciuniv.edu, Zahed Shahmoradi

4 - Model Uncertainty Approximation Using A Copula-based Approach For Reliability Based Design Optimization
Zhimin Xi, University of Michigan-Dearborn, 4901 Evergreen Road, 2240 HPEC, Dearborn, MI, 48128, United States, zxi@umich.edu

■ MD39

207A-MCC

Markov Lecture

Sponsored: Applied Probability

Sponsored Session

Chair: David Goldberg, GA Institute of Technology, Atlanta, GA 30332-0205, dgoldberg9@isye.gatech.edu

Co-Chair: Rouba Ibrahim, University College London, rouba.ibrahim@ucl.ac.uk

1 - Piecewise Deterministic Markov Processes For Monte Carlo
Gareth Roberts, University of Warwick, Coventry, United Kingdom, Gareth.O.Roberts@warwick.ac.uk

Jeffrey Rosenthal, University of Toronto, Toronto, ON, Canada, rosenthal, jeff@math.toronto.edu

3 - Optimal Scaling Of MCMC Algorithms
Natesh Pillai, Harvard University, Cambridge, MA, United States, nateshspillai@gmail.com

■ MD40

207B-MCC

Theoretical Development in Estimation

Invited: Data Envelopment Analysis

Invited Session

Chair: Ole Olesen, Southern Denmark University, Campusvej 55, Odense, 5230, Denmark, ole@sam.sdu.dk

1 - An Improved Afriat-Diewert-Parkan Nonparametric Production Function Estimator
Ole Olesen, Southern Denmark University, ole@sam.sdu.dk, John Ruggiero

2 - Production Of Schooling
John Ruggiero, University of Dayton, jruggiero1@udayton.edu

3 - Insights From Machine Learning For Evaluating Production Function Estimators On Manufacturing Survey Data
Andrew Johnson, Texas A & M University-College Station, ajohnson@tamu.edu, José Luis Preciado Arreola

4 - Endogenous Environmental Variables In Stochastic Frontier Models
Artem Prokhorov, University of Sydney Business School, Sydney, Australia, artem.b.prokhorov@gmail.com, Christine Amsler, Peter Schmidt

■ MD41

207C-MCC

Quantitative Methods for Finance and Energy

Sponsored: Financial Services

Sponsored Session

Chair: Mendoza Rafael, rafamendoza1977@gmail.com

1 - Modeling Dependent Outages Of Electricity Generators
Vishwakant Malladi, McCombs School of Business, vishwakant@gmail.com

2 - Dynamic Mean-variance Under Predictable Criteria
Xiao Han, University of Texas-Austin, xhan581@gmail.com

3 - Static Hedging And Pricing Under The JDCEV Model Via Integral Equations
Dong-Young Lim, Korea Advanced Institute of Science & Technology, DaeJeon, Korea, Republic of, ldy1848@kaist.ac.kr, Kyoung-Kuk Kim

■ MD42

207D-MCC

Pricing and Information Provision of Services

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Gad Allon, Northwestern University, Evanston, IL, United States, g-allon@kellogg.northwestern.edu

1 - Managing Customer Expectations And Priorities With Delay Announcements
Gad Allon, Northwestern University, g-allon@kellogg.northwestern.edu, Achal Bassamboo, Qiuping Yu

2 - Trading Time In A Congested Environment
Luyi Yang, The University of Chicago, Chicago, IL, United States, luyi.yang@chicagobooth.edu, Laurens Debo, Varun Gupta

3 - Learning To Bid In Sequential Auctions With Budgets Without Market Information
Yonatan Gur, Stanford University, ygur@stanford.edu, Santiago Balseiro

4 - Impact Of Uncertainty About Co-workers Capability On Server Behavior In Queueing Systems
Masha Shunko, University of Washington, mshunko@gmail.com, Yaroslav Rosokha, Saurabh Bansal

■ MD43

208A-MCC

Simulation for Supply Chain

Sponsored: Simulation

Sponsored Session

Chair: Abdullah A Alabdulkarim, Dean, College of Engineering, Majmaah University, university campus, Majmaah, Majmaah, 1176, Saudi Arabia, aalabdulkarim2010@gmail.com

1 - Statistical Selection Of The Best Path In A Supply Chain
David Goldsman, Georgia Institute of Technology, sman@gatech.edu

2 - Production Scheduling Of Jobs Limited By The Number Of Machines And Workers With Setup Times And Route Flexibility
Alejandro Garcia del Valle, University of A Coruna, Head Modeling & Simulation UMI Navantia, Ferrol, Spain, alejandro.garcia.delvalle@udc.es, Javier Faulin, Jose Antonio Muina Dono

3 - Stress Testing For Supply Chain Risk Management Using Simulation Modeling
Harrison Luvai, University of Missouri - St. Louis, Saint Louis, MO, 63005, United States, hl6d9@umsl.edu, L. Douglas Smith"

4 - MetaSimLab: A Laboratory For Validating And Calibrating Agent-based Simulation For Business Analytics
Janina Knepper, Research Group Advanced Analytics, Janina.knepper@ada.rwth-aachen.de

■ MD44

208B-MCC

DAS Awards Session

Sponsored: Decision Analysis

Sponsored Session

Chair: Eric Bickel, Associate Professor & Director, The University of Texas at Austin, 204 E Dean Keeton St, Stop C2200, Austin, TX, 78712, United States, ebickel@utexas.edu

1 - DAS Student Paper Award
Emanuele Borgonovo, Bocconi University, Milano, Italy, emanuele.borgonovo@unibocconi.it, Robert Hammond

2 - DAS Publication Award
Kenneth Charles Lichtendahl, University of Virginia, lichtendahlc@darden.virginia.edu

3 - DAS Practice Award
Franklyn Koch, Koch Decision Consulting, kochfg@gmail.com

4 - DAS Ramsey Medal
Jeffrey M Keisler, University of Massachusetts - Boston, jeff.keisler@umb.edu

■ MD45

209A-MCC

Simulation-based Optimization

Sponsored: Simulation

Sponsored Session

Chair: Tahir Ekin, Texas State University, San Marcos, TX, United States, tahirekin@gmail.com

1 - Nested Augmented Simulation For Stochastic Optimization
Tahir Ekin, Texas State University, t_e18@txstate.edu, Refik Soyer, Nick Polson

2 - Bayesian Inference And Augmented Probability Simulation In Call Center Staffing
Tevfik Aktekin, University of New Hampshire, Tevfik.Aktekin@unh.edu

3 - A Simulation Optimization Framework For Scheduling Preventive Maintenance In Wind Energy Systems
Eduardo Perez, Texas State University, eduardopr@txstate.edu

4 - On The Sample Average Approximation Of The Two Stage Chance Constrained Staffing Problem In Call Centers With Arrival Rate Uncertainty
Anh Thuy Ta, PhD Student, University of Montreal, CP 6128 Succursale Centre-Ville, Montreal, QC, H3W1C5, Canada, tathuyanh1989@gmail.com, Wyean Chan, Pierre L'ecuyer, Fabian Bastin

■ MD46

209B-MCC

Customer Choice Estimation and Assortment Optimization

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Vineet Goyal, Columbia University, New York, NY, United States, vgoyal@ieor.columbia.edu

1 - Rationalizing Empirical Choice Counts
Srikanth Jagabathula, NYU Stern School of Business, sjagabat@stern.nyu.edu, Paat Rusmevichientong

2 - The Impact Of Consumer Search Cost On Assortment Planning And Pricing
Ozge Sahin, Johns Hopkins University, ozge.sahin@jhu.edu, Ruxian Wang

3 - Waste Reduction Of Perishable Products Using Dynamic Pricing
Arnoud V. den Boer, University of amsterdam, KdVI, science park 904, room F3.33, amsterdam, Netherlands, A.V.denBoer@uva.nl, Jieying Jiao

■ MD47

209C-MCC

Pricing, Promotion Planning, and Revenue Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: N. Bora Keskin, Duke University, Durham, NC, United States, bora.keskin@duke.edu

1 - Multiple Equilibria In Pricing Problems With Network Effects
William L Cooper, University of Minnesota, 111 Church Street S.E., University of Minnesota, Minneapolis, MN, 55455, United States, billcoop@umn.edu, Chenhao Du, Zizhuo Wang

2 - Value Of Targeted Promotions: Evidence From A Large Department Store
Bharadwaj Kadiyala, PhD Candidate, The University of Texas at Dallas, Richardson, TX, 75080, United States, bharadwaj.kadiyala@utdallas.edu, Ozalp Ozer, A Serdar Simsek

3 - Pricing From Observational Data
Nathan Kallus, Assistant Professor, Cornell University and Cornell Tech, 111 8th Avenue #302, New York, NY, 10011, United States, kallus@cornell.edu, Dimitris Bertsimas

4 - Using Contingent Markdown With Reservation To Deter Strategic Consumer Behavior
Gustavo Vulcano, NYU/UTDT, New York, NY, United States, gvulcano@stern.nyu.edu, Navaporn Surasvadi, Christopher S Tang

■ MD48

210-MCC

Peeling Back the Onion in Social Media Analysis

Invited: Social Media Analytics

Invited Session

Chair: Chris Smith, Air Force Institute of Technology, 2950 Hobson Way, Wright-Patterson AFB, OH, 45433, United States, cms3am@virginia.edu

1 - Assessing Bias Correction For Social Media Samples
Christopher Wienberg, USC Institute for Creative Technologies, cwienberg@ict.usc.edu

2 - Who's In Charge: Looking At Hierarchy And Heterarchy On Social Media
Robert Schroeder, Naval Postgraduate School, rcschroe@nps.edu, Sean Everton

3 - Communication And Conflict: Analyzing Homophily On Social Media During Conflict
Sean Everton, Associate Professor, Naval Postgraduate School, Monterey, CA, 93943, United States, sfeverto@nps.edu, Robert Schroeder

4 - Determinants Of Social Media Privacy Protection Behaviors
Shalini Wunnava, Assistant Professor, State University of New York at Potsdam, 44 Pierrepont Avenue, Potsdam, NY, 13676, United States, wunnavss@potsdam.edu

■ MD49

211-MCC

Social Media User Behavior

Invited: Social Media Analytics

Invited Session

Chair: Donghyun Kim, Delta State University, Cleveland, MS, 11111, United States, dkim@deltastate.edu

1 - Social Relativeness
Eyad Youssef, Delta State University, eyoussef@deltastate.edu

2 - Social Media Analytics Using IBM SPSS Modeler's Text Analytics
Lakisha Simmons, Belmont University, lakisha.simmons@belmont.edu, Sumali Conlon, Chris Simmons

3 - Analyzing User-it Artifact Interaction And Technology Implementation Using Mobile Social Capital
Donghyun Kim, Delta State University, dkim@deltastate.edu

■ MD51

213-MCC

Humanitarian & Disaster Relief Logistics

Sponsored: Public Sector OR

Sponsored Session

Chair: Christopher W Zobel, Virginia Tech, Pamplin Hall, Room 1007, 880 West Campus Drive, Blacksburg, VA, 24061, United States, czobel@vt.edu

Co-Chair: Andrew N Arnette, University of Wyoming, 1000 E. University Avenue, Laramie, WY, 82071, United States, aarnette@uwyo.edu

1 - An Optimization Model For Disaster Relief Asset Pre-positioning
Andrew Arnette, University of Wyoming, aarnette@uwyo.edu, Christopher Zobel

2 - Empirical Analysis Of Volunteer Convergence At A Disaster Relief Center
Lauren Davis, North Carolina A&T University, lbdavis@ncat.edu, Emmett J Lodree

3 - Collaborative Emergency Supply-chains For Essential Goods And Services
Marcus Wiens, Dr., Karlsruhe Institute of Technology (KIT), Karlsruhe, Germany, marcus.wiens@kit.edu, Frank Schätter, Christopher Zobel, Frank Schultmann

4 - Models For The Needs Assessment Routing Problem
Burcu Balcik, Ozyegin University, Istanbul, Turkey, burcu.balcik@ozyegin.edu.tr, Duygu Pamukcu

■ MD52

214-MCC

Routing Models for Public Safety

Sponsored: Public Sector OR

Sponsored Session

Chair: Burcu B Keskin, The University of Alabama, The University of Alabama, Tuscaloosa, AL, 35487, United States, bkeskin@cba.ua.edu

Co-Chair: Ibrahim Capar, The University of Alabama, The University of Alabama, Tuscaloosa, AL, 35487, United States, icapar@cba.ua.edu

1 - Drone Routing Models With Applications To Disaster Relief
Stefan Poikonen, University of Maryland - College Park, MD, spoikone@math.umd.edu, Xingyin Wang, Bruce L Golden

2 - Online Patrol Routing Problem
Ibrahim Capar, Bowling Green State University, icapar@bgsu.edu, Burcu B Keskin

■ MD53

Music Row 1- Omni

TIMES Distinguished Speaker

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Chair: Sinan Erzurumlu, Babson College, 231 Forest St, Babson Park, MA, 02457, United States, serzurumlu@babson.edu

1 - Processes In Entrepreneurship
Moren Levesque, York University, mlevesque@schulich.yorku.ca

■ MD54

Music Row 2- Omni

Service Optimization, Design and Measure in Emerging Market

Sponsored: Service Science

Sponsored Session

Chair: Yihong Hu, Tongji University, 1239, Siping Road, Shanghai, 200092, China, yhhu@tongji.edu.cn

1 - Benefiting From Seasonal Overloading Problem Of Delivery Service: A Strategic Analysis Of Dual Channel Business
Xiang Ji, School of Management, University of Science and Technology of China, Hefei, China, xxj150630@utdallas.edu, Jie Wu, Jiasen Sun

2 - Risk Measure Of Automobile Supply Chain Based On Conditional Value At Risk Approximation To Value At Risk Constrained Program
Shiting Zhang, Tongji University, Shanghai, China, 1531159@tongji.edu.cn, Jiantong Zhang, Xiaodong Chen

3 - Path-Based Model And Algorithm For Emergency Evacuation
Tianhu Deng, Tsinghua University, Beijing, China, deng13@mail.tsinghua.edu.cn., Jianghua Zhang

■ MD55

Music Row 3- Omni

CPMS Isolated Practioner

Sponsored: CPMS, The Practice Section

Sponsored Session

Chair: Jack Theurer, G Theurer Associates, Inc., 215 West 92nd Street, New York, NY, 10025, United States, theurer@aol.com

1 - Isolated Practitioner Workshop
Jack Theurer, G Theurer Associates, Inc., 215 West 92nd Street, New York, NY, 10025, United States, theurer@aol.com

■ MD56

Music Row 4- Omni

IOT: Technology Innovation and Business Impact

Sponsored: EBusiness

Sponsored Session

Chair: Zhe Shan, Assistant Professor, University of Cincinnati, 2925 Campus Green Dr, 317 Lindner Hall, Cincinnati, OH, 45221, United States, zhe.shan@uc.edu

1 - Internet Of Things Business Innovations And Opportunities
Michael Chuang, State University of New York at New Paltz, New Paltz, NY, 1, United States, huangm@newpaltz.edu

2 - Network Analysis Of Supply Chain Adaptation For Disruption Recovery: An Empirically Grounded Complex Adaptive Systems Approach
Kang Zhao, University of Iowa, kang-zhao@uiowa.edu

3 - A Spatial Adaptive Sampling Procedure For Monitoring High-dimensional Data Streams
Xiaochen Xian, University of Wisconsin, 500 Lincoln Drive, Madison, WI, 53706, United States, xxian@wisc.edu

■ MD57

Music Row 5- Omni

Influencing Behavior in Aircraft Operations

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Kenneth Schultz, Air Force Institute of Technology, 2950 Hobson Way, WPAFB, OH, 45433, United States, kschultz@afit.edu

1 - Antecedents And Outcomes Of An Air Transportation Operations Safety Climate Scale
Matthew David Roberts, AFIT, matthew.roberts@afit.edu

2 - Antecedents Of Fuel Efficiency
James Cotton, AFIT, James.cotton@afit.edu

■ MD58

Music Row 6- Omni

Energy VIII

Contributed Session

Chair: Carlos Abreu, Adjunct Professor, Federal University of Rio Grande do Norte State (UFRN), Natal, Brazil, calexandreabreu@ect.ufrn.br

1 - Optimal Multi-Period Energy Procurement Policies With The Integration Of Wind Energy
Tian Wang, Huazhong University of Science and Technology, School of Management, Hongshan Distrct, Wuhan, 430074, China, wangtian3261@gmail.com

2 - Energy Flow Network Stochastic Optimization Through Predictive Analytics Of Energy Demand
Ebisa Wollega, Assistant Professor, Colorado State University-Pueblo, 2200 Bonforte Blvd, Pueblo, CO, 81001, United States, ebisa.wollega@csupueblo.edu, Hiba Baroud, Vitor Winckler

3 - Real Time Pricing Strategies And Dynamic Load Scheduling In Smart Communities
Vignesh Subramanian, University of South Florida, 5006, Bordeaux Village pl, Apt #201, Tampa, FL, 33617, United States, vigneshs@mail.usf.edu, Tapas K. Das

4 - The Effects Of Low Prices And Higher Uncertainty On Enhanced Oil Recovery Projects: A Real Options Valuation Perspective
Carlos Abreu, Adjunct Professor, Federal University of Rio Grande do Norte State (UFRN), Natal, Brazil, calexandreabreu@ect.ufrn.br, Lielson Santos, Juli Sergine, Nayara Nagly

■ MD59

Cumberland 1- Omni

TSL Prize Winners

Sponsored: Transportation Science & Logistics

Sponsored Session

Chair: Stephen D Boyles, The University of Texas at Austin, 301 E. Dean Keeton St. Stop C1761, Austin, TX, 78712, United States, sboyles@gmail.com

■ MD60

Cumberland 2- Omni

Modeling and Analysis of Innovative Mobility Services I

Sponsored: TSL, Urban Transportation

Sponsored Session

Chair: Yafeng Yin, University of Florida, University of Florida, Gainesville, FL, 32611, United States, yafeng@ce.ufl.edu

1 - A Stable Matching Paradigm For Transport Service Allocation, User Assignment, And Pricing
Joseph Y J Chow, New York University, joseph.chow@nyu.edu

2 - Modeling Surge Pricing In Ride Sourcing Markets
Yafeng Yin, University of Florida, Civil and Coastal Engineering, 365 Weil Hall Box 116580, Gainesville, FL, 32611, United States, yafeng@ce.ufl.edu, Liteng Zha

3 - Is Ride-sourcing Services Worsening Traffic Congestion?
Hongyu Chen, Northwestern University, chyy1989@gmail.com, Yu Nie

4 - Design And Modeling Of A Crowdsource-enabled System For Urban Parcel Delivery
Bo Zou, University of Illinois at Chicago, Chicago, IL, United States, bzou@uic.edu, Nabin Kafle, Jane Lin

■ MD61

Cumberland 3- Omni

Advances in Blocking and Trip Planning

Sponsored: Railway Applications

Sponsored Session

Chair: Shrikant Jarugumilli, BNSF Railway, Fort Worth, TX, United States, shrikant.jarugumilli@bnsf.com

1 - Arc Costing Approaches For Railroad Algorithmic Blocking
Erick D Wikum, TCS, erick.wikum@tcs.com

2 - Next Generation Blocking And Trip Planning Systems
Carl D Van Dyke, TransNetOpt, carl@cvdzone.com

3 - Modernizing Blocking And Trip Planning
Pooja Dewan, BNSF Railway, pooja.dewan@bnsf.com

■ MD62

Cumberland 4- Omni

Aviation Applications Section: Keynote Presentation

Sponsored: Aviation Applications

Sponsored Session

Chair: Senay Solak, University of Massachusetts Amherst, Isenberg 318, 121 Presidents Drive, Amherst, MA, 01003, United States, solak2@isenberg.umass.edu

1 - Operations Research at FedEx: Looking Back, Looking Forward
William Payson, Staff Vice President, FedEx Corporation, 1000 Ridgeway Loop, Memphis, TN, 38120, United States, william.payson@fedex.com

■ MD63

Cumberland 5- Omni

UAS Traffic Management and Low-altitude Airspace Operations

Sponsored: Aviation Applications

Sponsored Session

Chair: Peng Wei, Iowa State University, 2312 Howe Hall, 537 Bissell Road, Ames, IA, 50011, United States, pwei@iastate.edu

1 - Deliver Or Not?: Revenue Management For Future Delivery Service Operations Using Unmanned Aerial Vehicles
Heng Chen, Assistant Professor, University of Nebraska–Lincoln, Lincoln, NE, 68588, United States, heng@unl.edu, Senay Solak

2 - On Routing Unmanned Aerial Vehicles For Surveillance And Reconnaissance Activities
Cai Gao, University at Buffalo, Buffalo, NY, 14260, United States, caigao@buffalo.edu, Jose Luis Walteros

3 - Mission Planning For Unmanned Aerial Vehicles And Human Operators
Chase Murray, University at Buffalo, Dept of Industrial & Systems Engineering, 309 Bell Hall, Amherst, NY, 14260-2050, United States, cmurray3@buffalo.edu

4 - Routing Problems For Unmanned Surface Vehicles With Limited Battery Life
Joshua Margolis, Clemson University, Clemson, SC, 29634, United States, jtmargo@clemson.edu, Lawrence V Snyder

■ MD64

Cumberland 6- Omni

Multicriteria Applications in the Public Section

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Richard Forrester, Associate Professor, Dickinson College, P.O. Box 1773, Carlisle, PA, 17013, United States, forrestr@dickinson.edu

1 - The Protest Casino; A Procurement Policy Simulation
Steven D Roemerman, Lone Star Analysis, 4555 Excel Pkwy, Ste 500, Addison, TX, 75001-5691, United States, sroemerman@lone-star.com, Randal Allen

2 - Assigning Students To Schools To Minimize Socioeconomic Variation Between Schools
Richard Forrester, Associate Professor of Mathematics, Dickinson College, College and Louther Streets, Carlisle, PA, 17013, United States, forrestr@dickinson.edu, Kevin Hutson, Elizabeth Bouzarth

■ MD65

Mockingbird 1- Omni

Data Analytics and Machine Learning

Sponsored: Information Systems

Sponsored Session

Chair: Sriram Somanchi, University of Notre Dame, 344 Mendoza College of Business, Notre Dame, IN, 46556, United States, somanchi.1@nd.edu

1 - Analytical And Empirical Modeling Of Complementarities In An Online Advertising Supply Chain
Changseung Yoo, The University of Texas at Austin, Austin, TX, United States, csyoo@utexas.edu, Anitesh Barua, Genaro Gutierrez

2 - Predicting Hotel Revenue Using Hotel Latent Quality
Uttara Madurai Ananthakrishnan, Carnegie Mellon University, umadurai@andrew.cmu.edu

3 - SkillR: Personalized Skill Recommendations Using Joint Bayesian Member-job Clustering
Abhinav Maurya, Carnegie Mellon University, Pittsburgh, PA, United States, ahmaurya@cmu.edu, Rahul Telang, Sai Sundar

4 - Does Government Surveillance Give Twitter The Chills?
Sriram Somanchi, University of Notre Dame, somanchi.1@nd.edu, Laura Brandimarte, Edward McFowland, Uttara Madurai Ananthakrishnan

■ MD66

Mockingbird 2- Omni

Computer Experiments and Uncertainty Quantification

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Ying Hung, Rutgers State University of New Jersey, Piscataway, NJ, United States, yhung@stat.rutgers.edu

1 - Robust Parameter Design Using Computer Experiments
Roshan Vengazhiyil, Georgia Institute of Technology, roshan@gatech.edu

2 - Invariance-preserving Emulation For Computer Models, With Application To Structural Energy Prediction
Peter Qian, University of Wisconsin - Madison, peter.qian@wisc.edu

3 - A Sequential Maximum Projection Design Framework For Computer Experiments With Inert Factors
Shan Ba, The Procter & Gamble Company, Cincinnati, OH, United States, ba.s@pg.com

■ MD67

Mockingbird 3- Omni

IEEE T-ASE Invited Session II

General Session

Chair: Jingshan Li, University of Wisconsin - Madison, jli252@wisc.edu

1 - Sparse Modeling And Recursive Prediction Of Space-time Dynamics In Stochastic Sensor Networks
Hui Yang, Penn State University, huy25@engr.psu.edu

2 - Integration Of Data Fusion Methodology And Degradation Modeling Process To Improve Prognostics
Kaibo Liu, UW-Madison, 1513 University Avenue, Madison, WI, 53706, United States, kliu8@wisc.edu, Shuai Huang

3 - Bottleneck Analysis To Reduce Surgical Flow Disruptions: Theory And Application
Xiang Zhong, UW-Madison, xzhong4@wisc.edu, Jingshan Li

4 - Integrating Optimal Simulation Budget Allocation And Genetic Algorithm To Find The Approximate Pareto Patient Flow Distribution
Zekun Liu, Washington University, liu.zekun@wustl.edu

■ MD68

Mockingbird 4- Omni

Quality Engineering Invited Session

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Murat Caner Testik, Prof.Dr., Hacettepe University, Hacettepe Universitesi, Muhendislik Fakultesi Endustri Muhendisligi Bolumu, Ankara, 06800, Turkey, mtestik@hacettepe.edu.tr

1 - Metamodel Based Method For Optimization Of Multilayer Thin Film Architecture
Srikant Nekkanty, Intel Corporation, nekkanty2001@gmail.com, Danel Draguljic, Thomas Santner, Angela Dean, Rajiv Shivpuri

2 - Measurement Error Of Binary Quality Inspections In Industry
Thomas Akkerhuis, University of Amsterdam, T.S.Akkerhuis@uva.nl

3 - Qfd Customer-requirement Prioritization Based On The Law Of Comparative Judgments
Domenico Augusto Maisano, Associate Professor, Politecnico di Torino, Corso Duca degli Abruzzi 24, Turin, 10129, Italy, domenico.maisano@polito.it, Fiorenzo Franceschini

■ MD69

Old Hickory- Omni

Routing and Allocation in Military Operations

Sponsored: Military Applications

Sponsored Session

Chair: Alexandra M Newman, Colorado School of Mines, 1104 Maple Street, Golden, CO, 80401, United States, anewman@mines.edu

1 - Minimum Risk Routing Through A Mapped Mine Field
Chris Richards, Colorado School of Mines, chrichar@mymail.mines.edu

2 - Building An Optimization-based, Decision Support System For Routing Vehicles For Randomized Inspections
Doug Altner, MITRE Corporation, daltner@mitre.org, Justin Nave, Abby Ng

3 - Daily Aircraft Routing For Amphibious Ready Groups
Robert Dell, Professor of Operations Research, Naval Postgraduate School, Monterey, CA, United States, dell@nps.edu, Travis Hartman, Connor McLemore, Ertan Yakici

4 - Robust Allocation Of Testing Resources In Reliability Growth
MohammadHossein Heydari, University of Arkansas, Fayetteville, AR, United States, mhheydar@uark.edu, Kelly Sullivan

■ MD70

Acoustic- Omni

Transportation, Rail I

Contributed Session

Chair: Ginger Yi Ke, Memorial University of Newfoundland, Faculty of Business Administration, Memorial University of Newfoundland, St. John's, NL, A1B 3X5, Canada, gke@mun.ca

1 - Passenger Centric Railway Planning
Yousef Maknoon, EPFL, Lausanne, Switzerland, Yousef.maknoon@epfl.ch, Tomas Robenek, Stefan Binder, Michel Bierlaire

2 - The Locomotive Planning Problem With Alternative Train Speeds An Integrative Environmental Perspective
Ginger Yi Ke, Memorial University of Newfoundland, Faculty of Business Administration, Memorial University of Newfoundland, St. John's, NL, A1B 3X5, Canada, gke@mun.ca, Kan Fang, Manish Verma

■ MD71

Electric- Omni

Vehicle Routing I

Contributed Session

Chair: Michael F Gorman, Professor, University of Dayton, 300 College Park, Dayton, OH, 45469, United States, michael.gorman@udayton.edu

1 - An Optimization Method Of Petrol Distribution Considering Drivers' Workload Balance
Lijun Sun, Associate Professor, Dalian University of Technology, 2 Linggong Road, Ganjingzi District, Dalian City, 116023, China, slj@dlut.edu.cn, Haiyang Shi

2 - Two Level Logic-based Benders Decomposition For Optimal Service NetworkDesign
Amin Hosseininasab, Carnegie Mellon University, Pittsburgh, PA, United States, aminhosseininasab@gmail.com, Fatma Gzara

3 - A Multi Stage Heuristic Solution For A Consultant Assignment And Routing Problem
Andrew Junfang Yu, Associate Professor, The University of Tennessee - Knoxville, 411 B. H. Goethert Pkwy., MS 19, Tullahoma, TN, 37388-9700, United States, ajyu@utk.edu, Brett Shields

4 - Two Echelon Location Routing Problem In The Presence Of Third Party Logistics
Khosro Pichka, PhD Student, S. B. Lubar School of Business, 3202 N. Maryland Ave., Milwaukee, WI, 53211, United States, kpichka@uwm.edu, Amirsaman Hamzeh Bajgiran, Xiaohang Yue, Jaejin Jang, Matthew Petering

5 - Inventory-based Delivery Scheduling And Routing
Michael F Gorman, Professor, University of Dayton, 300 College Park, Dayton, OH, 45469, United States, michael.gorman@udayton.edu

■ MD72

Bass- Omni

Supply Chain Mgt VIII

Contributed Session

Chair: Nathalia Hernandez, Universidad del Norte, Km 5 Vía Puerto Colombia, Barranquilla, AA1569, Colombia, inhernandez@uninorte.edu.co

1 - An Econometric Analysis Of Omnichannel Retailing Using Data Analytics
Serkan M. Akturk, Texas A&M University, 4217 TAMU, Wehner 320 M, College Station, TX, 77843-4217, United States, makturk@mays.tamu.edu, Michael Ketzenberg

2 - Determining The Optimal Level Of Supply Chain Forecast Coordination With Bidirectional Option Contracts
Seong-Hyun Nam, Professor, University of North Dakota, 2517 Sand Hills Avenue, Grand Forks, ND, 58201, United States, snam@business.und.edu

3 - The Impact Of Manufactures Comptition To Pay Incentive Funds On Supply Chain
Neda Khanjari, Assistant Professor, Rutgers University, 227 Penn St, BSB 260, Camden, PA, 08102, United States, neda.khanjari@rutgers.edu

4 - Partial Outsourcing And Linked Learning Processes
Burcu Tan, Tulane University, A. B. Freeman School Of Business, 7 Mcalister Dr., New Orleans, LA, 70118, United States, btan@tulane.edu, Edward Anderson, Geoffrey Parker, Xiaoyue Jiang

5 - A Hybrid Stochastic Fuzzy Approach For Inventory Control In Multi Item Job Shop Processes With Unsteady Lead Time
Alcides Santander, Universidad del Norte, Barranquilla, Colombia, asantand@uninorte.edu.co, Kevin Melendez, Nathalia Hernandez, Diego Guillen, Marco E. Sanjuan

■ MD79

Legends G- Omni

Health Care, Modeling VIII

Contributed Session

1 - Multi-period Appointment Scheduling In Outpatient Procedure Centers
Utku Tarik Bilgic, Middle East Technical University, Department of Industrial Engineering, Middle East Technical University, Ankara, 06800, Turkey, utbilgic@metu.edu.tr, Sakine Batun

2 - Robust Design Of A Stroke Hospital Network
Amir Ardestani Jaafari, McGill University, 1001 Rue Sherbrooke West, Montreal, QC, H3A 1G5, Canada, amir.ardestani-jaafari@hec.ca, Beste Kucukyazici

3 - Method To Assign Specialties To Timetable Slots In Surgery Units To Smooth Postoperative Inward Bed Demand
Flavio S Fogliatto, Prof., Federal Univ of Rio Grande do Sul, Av. Osvaldo Aranha, 99/5o andar, Porto Alegre, RS, 90040020, Brazil, ffogliatto@producao.ufrgs.br, Marcos Gerchman, Jeruza Neyeloff, Michel J Anzanello, Beatriz D Schaan

■ MD94

5th Avenue Lobby-MCC

Technology Tutorial: Gurobi/AMPL

Technology Tutorial

1 - Gurobi Optimization
Dr. Greg Glockner, Vice President of Engineering, Bellevue, WA, glockner@gurobi.com

2 - AMPL In The Cloud: Using Online Services To Develop And Deploy Optimization Applications Through Algebraic Modeling
Robert Fourer, AMPL Optimization Inc., 2521 Asbury Ave, Evanston, IL, 60201, United States, 4er@ampl.com

Tuesday, 8:00AM - 9:30AM

■ TA01

101A-MCC

Machine Learning II

Sponsored: Data Mining

Sponsored Session

Chair: Hamidreza Ahady Dolatsara, MD, United States, hamid@auburn.edu

1 - Expectation Maximization For Finite Mixture Of Linear Regression Models With Group Structure Data
Haidar Almohri, PhD Candidate, Wayne State University, 2833 Catalpa Circle, Ann Arbor, MI, 48108, United States, almohrih@yahoo.com, Ratna Babu Chinnam, Arash Ali Amini

2 - A Comparison Method For Association Rule Mining Algorithms
Gulser Koksal, Prof. Dr., Middle East Technical University, Industrial Engineering Department, Ankara, 06800, Turkey, koksal@metu.edu.tr, Sanam Azadiamin

3 - Productivity Assessment Through Knowledge Generation In Automotive Manufacturing Sector, Utilizing Statistical Methods
Amir Abolhassani, West Virginia University, 1233 Pineview Drive, Apt 14, Morgantown, WV, 26505, United States, Amirabolhassani@gmail.com, Bhaskaran Gopalakrishnan

4 - A Machine Learning Approach For Developing Intersection Safety Performance Function
Hamidreza Ahady Dolatsara, Auburn University, Suite 3301, 345 West Magnolia Ave., Auburn, AL, 36849, United States, hamid@auburn.edu, Fadel Mounir Megahed

■ TA02

101B-MCC

Predictive Modeling for Wind Power

Sponsored: Data Mining

Sponsored Session

Chair: Seth Guikema, University of Michigan, 1205 Beal Ave., Ann Arbor, MI, 48109-2117, United States, sguikema@umich.edu

1 - Adverse Event Prediction: Forecasting Wind Power Ramps
Andrea Staid, Sandia National Labs, Albuquerque, NM, United States, astaid@sandia.gov

2 - Predicting Low-wind Events To Inform Planning And Policy Incentives
Kristen R. Schell, University of Michigan, Ann Arbor, MI, United States, krschell@umich.edu, Seth Guikema

3 - Learning Of Imbalanced Data For Predicting The Power Outage
Elnaz Kabir, PhD Student, University of Michigan, 1205 Beal Avenue, Ann Arbor, MI, 48109-2117, United States, ekabir@umich.edu, Seth Guikema

■ TA03

101C-MCC

Entertainment Analytics

Invited: Entertainment Analytics

Invited Session

Chair: Christian Peukert, University of Zurich, Rämistrasse 71, Zurich, 8006, Switzerland, christian.peukert@uzh.ch

1 - Freemium Pricing: A Stylized Framework And Evidence From A Large-scale Field Experiment
Jörg Claussen, LMU Munich, Munich, Germany, j.claussen@lmu.de, Jörg Claussen, Copenhagen Business School, Frederiksberg, Denmark, j.claussen@lmu.de, Julian Runge, Julian Runge, Stefan Wagner

2 - Building An Online Reputation With Free Content: Evidence From The E-book Market
Dainis Zegners, LMU Munich, d.zegners@lmu.de

■ TA04

101D-MCC

Advances in Using Market Models for Power Transmission Planning

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: David Pozo, Pontificia Universidad Catolica, Avendia Vicuna Mackenna #4860, Puebla del Principe, 7820436, Chile, davidpozocamara@gmail.com

1 - Non-cooperative Multi-regional Transmission Planning
Saamrat Kasina, Johns Hopkins University, Ames 214, Baltimore, MD, 21218, United States, bkasina1@jhu.edu, Benjamin Field Hobbs

2 - Bi-level Network Planning Model Considering Generation-market Equilibria Subject To Inefficient Network Pricing
Pengcheng Ding, Johns Hopkins University, Baltimore, MD, United States, pangchingting@gmail.com, Benjamin Hobbs

3 - Reliable Renewable Generation And Transmission Expansion Planning: Co-optimizing System's Resources For Meeting Renewable Targets
David Pozo, Pontificia Universidad Católica de Chile, Santiago, Chile, davidpozocamara@gmail.com, Alexandre Moreira, Alexandre Street, Enzo E Sauma

■ TA05

101E-MCC

Short-term Operation, Maintenance, and Long-term Planning for Power Systems

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Murat Yildirim, Georgia Institute of Technology, 755 Ferst Dr, Atlanta, GA, 30312, United States, murat.v.yildirim@gmail.com

1 - Topics On Optimal Power Flow
Richard O'Neill, FERC, Richard.O'Neill@ferc.gov

2 - Load-dependent Sensor-driven Maintenance And Operations In Power Systems
Murat Yildirim, Georgia Institute of Technology, Atlanta, GA, 30332, United States, murat@gatech.edu, Andy Sun, Nagi Gebraeel

3 - Impact Of Short-term Variability And Uncertainty On Long-term Planning Problems
Henrik Bylling, University of Copenhagen, Universitetsparken 5, Copenhagen, DK-2100, Denmark, bylling@math.ku.dk, Salvador Pineda, Trine Krogh Boomsma

■ TA06

102A-MCC

Optimization Models in Data Mining

Sponsored: Data Mining

Sponsored Session

Chair: Petros Xanthopoulos, University of Central Florida, 4000 Central Florida Blvd., P.O. BOX 162993, Orlando, FL, United States, petrosx@ucf.edu

1 - Relaxing Support Vector Machines
Orestis P. Panagopoulos, California State University, Stanislaus, Turlock, CA, United States, orepana@gmail.com, Talayeh Razzaghi, Petros Xanthopoulos, Onur Seref

2 - Online Feature Importance Ranking Based On Sensitivity Analysis
Alaleh Razmjoo, University of Central Florida, Orlando, FL, 32765, United States, alaleh.razmjoo@Knights.ucf.edu, Petros Xanthopoulos

3 - A Novel Weighting Policy For Unsupervised Ensemble Learning Based On Mean-variance Portfolio Optimization Method.
Ramazan Unlu, UCF, ramazanunlu@gmail.com

4 - Nonlinear Dimensionality Reduction For Analysis Ofelectroencephalography Records
Anton Kocheturov, University of Florida, Gainesville, FL, United States, antrubler@gmail.com

■ TA07

102B-MCC

Retail Analytics

Sponsored: Data Mining

Sponsored Session

Chair: Matthew Lanham, Virginia Tech, Pamplin 1007, Blacksburg, VA, 24061, United States, lanham@vt.edu

1 - Analytics on The Edge Of Retail
Aaron Burciaga, Accenture, adburciaga@gmail.com

2 - An Investigation Of Cluster Analysis Of Retail Stores To Improve Predictive Modeling Of Sales
Linda Schumacher, Merchandise Scientist, Raleigh, NC, 27604, United States, schumachers@bellsouth.net

3 - Investigating Sparse Demand Models To Support The Assortment Planning Decision
Matthew Lanham, Clinical Assistant Professor, Purdue University, West Lafayette, IN, United States, malanham@gmail.com

■ TA08

103A-MCC

Collaborative Innovation and Project Supply Chain Management Interfaces

Invited: Business Model Innovation

Invited Session

Chair: Yao Zhao, Rutgers University, Newark, NJ, United States, yaozhao@andromeda.rutgers.edu

Co-Chair: Onesun Steve Yoo, University College London, School of Management, Gower Street, London, WC1E 6BT, United Kingdom, onesun.yoo@ucl.ac.uk

1 - Investment In Shared Suppliers
Youngsoo Kim, University of Illinois, Champaign, IL, WC1E 6BT, United States, mailto:ykim180@illinois.edu, Anupam Agrawal, Dharma Kwon, Suresh Muthulingam

2 - Project Management Contracts Under Information Asymmetry
Ju Myung Song, Rutgers University, jumyung.song@rutgers.edu

3 - On-demand Delivery Via On-demand Drivers
Michael Wagner, University of Washington, mrwagner@uw.edu, Soraya Fatehi

4 - Managing Risks In Major Defense Acquisition Programs From The Supply Chain Perspective.
Olena Rudna, Rutgers University, omr20@scarletmail.rutgers.edu

■ TA09

103B-MCC

Panel Discussion: Open Challenges in Internet of Things & Agriculture Analytics

Invited: Agricultural Analytics

Invited Session

Moderator: Robin Lougee, IBM Research, IBM TJ Watson Research Center, 1101 Kitchawan Road, Yorktown Heights, NY, 10598, United States, rlougee@us.ibm.com

1 - Panel Discussion: Open Challenges In Internet Of Things & Agriculture Analytics
Robin Lougee, IBM Research, IBM TJ Watson Research Center, 1101 Kitchawan Road, Yorktown Heights, NY, 10598, United States, rlougee@us.ibm.com

2 - Panelist
Joseph Byrum, Syngenta, des Moines, IA, 50235, United States, joseph.byrum@syngenta.com

3 - Panelist
Melissa Moore, INFORMS, Catonsville, MD, 21228, United States, Melissa.Moore@informs.org

■ TA10

103C-MCC

Renewable Energy Systems and Grid Integration

Sponsored: Energy, Natural Res & the Environment, Energy II Other

Sponsored Session

Chair: Alexandra M Newman, Colorado School of Mines, newman@mines.edu

1 - Optimization Of Sstored Energy Dispatch For Concentrating Solar Power Systems
Michael J Wagner, National Renewable Energy Laboratory, mike.wagner@nrel.gov

2 - Optimal Design Of Concentrating Solar Power Systems
Will Hamilton, Colorado School of Mines, whamilton@mines.edu

3 - ROC-ing The Grid: The Unintended Consequences Of Northern Ireland's Renewable Obligation Credit
Destenie Supreece Nock, University of Massachusetts - Amherst, Amherst, MA, 01002, United States, dnock@umass.edu, Erin Baker

4 - Siting And Sizing Of Merchant Energy Storage
Yury Dvorkin, University of Washington, Seattle, WA, United States, dvorkin@uw.edu, Yury Dvorkin, New York University, New York, NY, United States, dvorkin@uw.edu, Ricardo Fernandez-Blanco, Jean-Paul Watson, Cesar A Silva-Monroy, Cesar A Silva-Monroy, Hrvoje Pandzic, Daniel Kirschen

■ TA11

104A-MCC

Novel Applications of Network Optimization

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Anna Nagurney, John F. Smith Memorial Professor, Isenberg School of Management, University of Massachuseets, Amherst, MA, 01003, United States, nagurney@isenberg.umass.edu

1 - A General Multitiered Supply Chain Network Model Of Quality Competition With Suppliers
Dong Li, Arkansas State University, dli@astate.edu, Anna B Nagurney

2 - Supply Chain Network Equilibrium With Strategic Financial Hedging Using Futures Contracts
Zugang Liu, Pennsylvania State University - Hazleton, Hazleton, PA, United States, zxl23@psu.edu, Jia Wang

3 - A Time-space Network Model For Medical Resources Allocation In An Epidemic Outbreak
Ding Zhang, SUNY Oswego, New York, NY, United States, ding.zhang@oswego.edu

4 - A Generalized Nash Equilibrium Network Model For Post-disaster Humanitarian Relief
Anna Nagurney, John F. Smith Memorial Professor, University of Massachusetts Amherst, Amherst, MA, 01003, United States, nagurney@isenberg.umass.edu, Emilio Alvarez Flores, Ceren Soylu

■ TA12

104B-MCC

Mixed-Integer Programming with Applications

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Minjiao Zhang, Kennesaw State University, 560 Parliament Garden Way, Kennesaw, GA, 30144, United States, mzhang16@kennesaw.edu

1 - Coordinated Capacitated Lot-sizing For Multiple Product Families With Setup Times
Tiffany Bayley, University of Waterloo, Waterloo, ON, Canada, tiffany.bayley@uwaterloo.ca, Haldun Sural, James H Bookbinder

2 - A Polyhedral Study On Lot-sizing Problem With Capacity Acquisition
Jia Guo, The University of Alabama, Tuscaloosa, AL, 35487, United States, jguo23@crimson.ua.edu, Minjiao Zhang

3 - The Slim Branch And Price Method With An Application To The Hamiltonian P-median Problem
Ahmed Marzouk, Texas A&M University, College Station, TX, 77840, United States, ambadr@email.tamu.edu, Erick Moreno-Centeno, Halit Uster

4 - Multiechelon Lot Sizing With Intermediate Demands
Ming Zhao, Assistant Professor, University of Houston, Houston, TX, 77204, United States, mzhao@bauer.uh.edu, Minjiao Zhang

■ TA13

104C-MCC

Computational Linear Optimization

General Session

Chair: Nikolaos Ploskas, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA, 15213, United States, ploskasn@gmail.com

1 - Vector Space Decomposition For Solving Linear Programs
Marco Lübbecke, RWTH Aachen University, marco.luebbecke@rwth-aachen.de, Jean Bertrand Gauthier, Jacques Desrosiers

2 - Some Thoughts On Implementing Linear Optimization Algorithms
Tamás Terlaky, Lehigh University, terlaky@lehigh.edu

3 - An Advanced Starting Basis For The Simplex Algorithm
Nikolaos Ploskas, Carnegie Mellon University, Pittsburgh, PA, United States, nploskas@andrew.cmu.edu, Nikolaos Samaras, Nikolaos Sahinidis

4 - A Planning Approach And a Decision Support System For Wine Bottling Operations
Alfredo R. Squadritto, Pontificia Universidad Católica de Valparaíso, School of Industrial Engineering, Valparaíso, Chile, squadritto@ucv.cl, Ernesto Vásquez, Ricardo A. Gatica, Sergio G. Flores, Ricardo Gatica

■ TA14

104D-MCC

Data Mining in Genetics and Genomics

Sponsored: Data Mining

Sponsored Session

Chair: Michael M Hoffman, Princess Margaret Cancer Centre/University of Toronto, Toronto Medical Discovery Tower 11-311, 101 College Street, Toronto, ON, M5G 1L7, Canada, michael.hoffman@utoronto.ca

1 - Modeling Methyl-sensitive Transcription Factor Motifs With An Expanded Epigenetic Alphabet

Michael M Hoffman, Scientist, Princess Margaret Cancer Centre, Toronto Medical Discovery Tower 11-311, 101 College St, Toronto, ON, M5G 1L7, Canada, michael.hoffman@utoronto.ca
Michael M Hoffman, Scientist, University of Toronto, Toronto Medical Discovery Tower 15-701, 101 College St, Toronto, ON, M5G 1L7, Canada, michael.hoffman@utoronto.ca

2 - Data, Informatics, And Analytical Challenges In Genomic Medicine

Elizabeth A. Worthey, Faculty Investigator & Director, HudsonAlpha Institute for Biotechnology, 601 Genome Way, Huntsville, AL, United States, lworthey@hudsonalpha.org

3 - Machine Learning For Predicting Vaccine Immunity

Eva K. Lee, Georgia Institute of Technology, eva.lee@isye.gatech.edu

■ TA15

104E-MCC

Academic Job Search Panel

Invited: INFORMS Career Center

Invited Session

Chair: Wedad Jasmine Elmaghraby, University of Maryland, College Park, MD, United States, welmaghr@rhsmith.umd.edu

1 - Academic Job Search Panel

Wedad Jasmine Elmaghraby, University of Maryland, welmaghr@rhsmith.umd.edu

2 - Panelist

Volodymyr O Babich, Georgetown University, vob2@georgetown.edu

3 - Panelist

Candace Arai Yano, University of California-Berkeley, yano@ieor.berkeley.edu

4 - Panelist

Brian Tomlin, Tuck School of Business, brian.tomlin@tuck.dartmouth.edu

5 - Panelist

Ken Moon, Univeristy of Pennsylvania, Wharton School, Philadelphia, PA, 19104, United States, kenmoon@wharton.upenn.edu

6 - Panelist

Ken Moon, Univeristy of Pennsylvania, Philadelphia, PA, United States, kenmoon@wharton.upenn.edu

■ TA16

105A-MCC

Energy Systems

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Bruno Fanzeres, Visiting PhD Student, Georgia Institute of Technology, 755 Ferst Drive, NW, Atlanta, GA, 30332, United States, santosbruno85@gmail.com

1 - The Information-collecting Vehicle Routing Problem For Emergency Storm Response

Lina Al-Kanj, Postdoctoral Research Associate, Princeton University, Olden Street, Sherrerd Hall, room 119, Princeton, NJ, 08544, United States, lalkanj@princeton.edu, Warren B Powell"

2 - Sampling Based Optimization Algorithms For Power Systems Application

Harsha Gangammanavar, Clemson University, harsha@clemson.edu

3 - Robust Strategic Bidding In Day Ahead Electricity Markets

Bruno Fanzeres, Georgia Institute of Technology, 765 Ferst Drive NW, Atlanta, GA, United States, santosbruno85@gmail.com, Shabbir Ahmed, Alexandre Street

4 - Modeling PowerMarkets With Multi-stage Stochastic Nash Equilibrium

Joaquim Dias Garcia, PSR-Inc., Praia de Botafogo, 228, Botafogo, Rio de Janiero, Brazil, joaquimgarcia@psr-inc.com

■ TA17

105B-MCC

Stochastic Programming for Long Term Planning

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Anderson Rodrigo de Queiroz, NCSU, n, 1, NC, 12, United States, arqueiroz@ncsu.edu

Co-Chair: Joseph F DeCarolis, North Carolina State University, Raleigh, NC, United States, jdecarolis@ncsu.edu

1 - The Value Of Stochastic Programming For Energy Systems Planning

Anderson Rodrigo de Queiroz, North Carolina State University, Raleigh, NC, United States, arqueiroz@ncsu.edu, Joseph F DeCarolis

2 - Stochastic Optimization Of Design Under Heuristic Operation In Mixed Integer Programs

Alexander Zolan, The University of Texas at Austin, alex.zolan@utexas.edu, David Morton, Alexandra M Newman

4 - Power System Planning In Fragile States: A Case Study Of South Sudan

Evangelia Spyrou, Johns Hopkins University, Baltimore, MD, United States, elina.spirou@gmail.com, Morgan Bazilian, Debabrata Chattopadhyay, Benjamin Field Hobbs

■ TA18

106A-MCC

Finance, Portfolio I

Contributed Session

Chair: Markku Kallio, Professor, Aalto Univertsity, Runeberginkatu 22-24, Helsinki, FIN-00200, Finland, markku.kallio@aalto.fi

1 - Trade Space Exploration Tools And Methods With Applications To Capital Investments And Portfolio Management Decisions For Optimality
Simon Miller, Applied Research Laboratory, The Pennsylvania State University, 411 Waupelani Drive, D-221, State College, PA, 16801, United States, swm154@psu.edu, Christopher M. Farrell, Michael A. Yukish, Gary M Stump

2 - Forth Order Stochastic Dominance Efficiency Test And An Empirical Evaluation
Nasim Dehghan Hardoroudi, PhD Candidate, Aalto University School of Business, Runeberginkatu 22-24, Chydenia (4th floor), Helsinki, 00100, Finland, nasim.dehghan.hardoroudi@aalto.fi

3 - Some Tests For Stochastic Dominance Efficiency
Markku Kallio, Professor, Aalto Univertsity, Runeberginkatu 22-24, Helsinki, FIN-00200, Finland, markku.kallio@aalto.fi

■ TA19

106B-MCC

Optimization Modeling and Beyond with a Focus on Practice

Sponsored: Computing

Sponsored Session

Chair: Leo Lopes, SAS, SAS Campus Drive, Cary, NC, 27513, United States, Leo.Lopes@sas.com

1 - Optimization Modeling With Python Using Pandas
Irv Lustig, Princeton Consulting, irv@princeton.com

2 - SAS/OR Value Beyond the Model
Leo Lopes, SAS Institute, Leo.Lopes@sas.com

3 - Building Optimization-enabled Applications Using AMPL Api
Robert Fourer, AMPL Optimization Inc., 2521 Asbury Ave, Evanston, IL, 60201, United States, 4er@ampl.com

4 - Decision Optimizer 7.0: Combinatorial Optimization For Business Analysts
Susanne Heipcke, FICO, San Jose, CA, United States, SusanneHeipcke@fico.com, Livio Bertacco, Sebastien Lannez

■ TA20

106C-MCC

Mathematical Finance, Models, Simulation and Today's Pressing Problem

Invited: Tutorial

Invited Session

Chair: Joseph M. Pimbley, Maxwell Consulting, LLC, 1, Croton-on-Hudson, NY, 10520, United States, pimbley@maxwell-consulting.com

1 - Mathematical Finance, Models, Simulation And Today's Pressing Problem
Joseph M. Pimbley, Maxwell Consulting, LLC, a, Croton-on-Hudson, NY, 10520, United States, pimbley@maxwell-consulting.com

■ TA21

107A-MCC

Beyond Predictive Analytics

Sponsored: Health Applications

Sponsored Session

Chair: Margret Bjarnadottir, University of Maryland, 4324 Van Munching Hall, College Park, MD, 20742, margret@rhsmith.umd.edu

1 - Data-driven Specification Of Cyclical Arrival Processes
Donald Lee, Yale University, 165 Whitney Ave, Box 208200, New Haven, CT, 06520, United States, donald.lee@yale.edu, Ningyuan Chen, Sahand Negahban

2 - Incorporating Dose-prediction Within A Personalized Treatment Paradigm
Eva Lee, Georgia Institute of Technology, eva.lee@gatech.edu, Xin Wei

3 - Optimal Selection Of Health Care Providers
Jerry Kung, MIT, jkung@mit.edu

■ TA22

107B-MCC

Joint Session MSOM-HC/HAS: Modeling and Optimization for Chronic and End-Stage Renal Disease Patients

Sponsored: Health Applications

Sponsored Session

Chair: Murat Kurt, Merck, Merck, Philadelphia, PA, 07033, United States, murat.kurt7@gmail.com

Co-Chair: David Kaufman, University of Michigan-Dearborn, 19000 Hubbard Dr, Dearborn, MI, 48126, United States, davidlk@umich.edu

1 - Optimal Decision Making In A Markov Model With Parameter Uncertainty: The Case Of Chronic Kidney Disease
Reza Skandari, University of British Columbia, Reza.Skandari@sauder.ubc.ca, Steven Shechter

2 - Optimal Integration Of Kidney Exchange Programs With Antibody Reduction Therapy To Increase Successful Transplant In Difficult To Match Recipients
Naoru Koizumi, George Mason University, nkoizumi@gmu.edu, Monica Gentili

3 - Position-indexed Formulations For Kidney Exchange
Tuomas Sandholm, Carnegie Mellon University, sandholm@cs.cmu.edu, John Dickerson, David Manlove, Benjamin Plaut, James Trimble

■ TA23

108-MCC

Modelling Care and Treatment of Chronic Diseases

Sponsored: Health Applications

Sponsored Session

Chair: Michael W Carter, University of Toronto, 5 King's College Rd., Toronto, ON, M5S 3G8, Canada, carter@mie.utoronto.ca

1 - Chronic Care Disease Management Through Operations Research & Analytics – Lessons From Ontario
Ali Vahit Esensoy, Manager, Strategic Analytics, CCO, Toronto, ON, Canada, AliVahit.Esensoy@cancercare.on.ca, Kiren Handa

2 - An Analytics Approach To Dementia Capacity Planning
Tannaz Mahootchi, Cancer Care Ontario, Tannaz.Mahootchi@cancercare.on.ca, Azadeh Mostaghel, Ali Vahit Esensoy

3 - Nurse Scheduling And Risk Analysis Of Hemodialysis Patients
Michael W Carter, University of Toronto, carter@mie.utoronto.ca, Mahsa Shateri

4 - Two-stage Stochastic Programming For Adaptive Interdisciplinary Pain Management With PIN Transition Models
Gazi Md Daud Iqbal, The University of Texas at Arlington, gazimddaud.iqbal@mavs.uta.edu, Jay Michael Rosenberger, Victoria C. P. Chen, Robert Gatchel

■ TA24

109-MCC

Practice-Based Research in Healthcare OM

Sponsored: Health Applications

Sponsored Session

Chair: Jónas Oddur Jónasson, London School of Business, Regent's Park, NW1 4SA, London, TX, 00000, United Kingdom, jjonasson@london.edu

1 - Staff Planning For Anesthesiologists
Sandeep Rath, University of California-Los Angeles, sandeep.rath.1@anderson.ucla.edu, Kumar Rajaram

2 - Separate & Concentrate: Accounting For Patient Complexity In General Hospitals
Sandra Sülz, Assistant Professor, Erasmus University Rotterdam, Rotterdam, Netherlands, sulz@bmg.eur.nl, Ludwig M Kuntz, Stefan Scholtes

3 - Towards An Equitable Allocation Of Organs Among End-stage Liver Disease Patients
Mustafa Akan, Associate Professor of Operations Management, Carnegie Mellon University, Tepper School of Business, Posner Hall 381C, Pittsburgh, PA, 15213, United States, akan@andrew.cmu.edu, Ngai-Hang Z Leung, James F. Markmann, Sridhar R Tayur, Heidi Yeh

4 - Ambulance Emergency Response Optimization In Developing Urban Centers
Justin J. Boutilier, University of Toronto, Toronto, ON, Canada, j.boutilier@mail.utoronto.ca, Timothy Chan

■ TA25

110A-MCC

Project Related SCM III

Invited: Project Management and Scheduling

Invited Session

Chair: Xiaoqiang Cai, The Chinese University of Hong Kong, Shatin, Hong Kong, 000, Hong Kong, xqcai@se.cuhk.edu.hk

1 - An Iterative Capacity Sharing Mechanism For Freight Forwarders
Minghui Lai, Southeast University, Nanjing, China, laimh@seu.edu.cn, Weili Xue

2 - Value Of Category Captainship With Shelf-space Dependent Demand
Weili Xue, Southeast University, wlxue1981@gmail.com, Minghui Xu

3 - A Noncooperative Game Model And Algorithm For a Utility Computing System
Pengyu Yan, Associate professor, University of Electronic Science and Technology of China, Chengdu, China, yanpy@uestc.edu.cn, Hongru Miao, Nicholas G Hall, Guanhua Wang

4 - Principal-agent vs Revenue Sharing Contracts In The Optimal Supplier Switching Model With Learning Effect
Qian Wei, Tianjin University, qwei@tju.edu.cn, Jianxiong Zhang

■ TA26

110B-MCC

Auctions and Econometrics

Invited: Auctions

Invited Session

Chair: Robert Day, University of Connecticut, Storrs, CT, United States, Bob.Day@business.uconn.edu

1 - Dynamic Demand Estimation In Auction Markets
Greg Lewis, Microsoft Research New England, glewis@microsoft.com, Matthew Backus

2 - Identification And Estimation Of Affiliated Private Values Auctions With Unobserved Heterogeneity
Jorge Balat, Johns Hopkins, jorge.balat@jhu.edu

3 - Simultaneous First-price Auctions With Preferences Over Combinations
Matthew Gentry, LSE, United Kingdom, M.L.Gentry@lse.ac.uk, Tatiana Komarova, Pasquale Schiraldi

4 - Robust Data-driven Welfare Guarantees In Auctions
Vasilis Syrgkanis, Microsoft Research, vasy@microsoft.com, Darrell Hoy, Denis Nekipelov

■ TA27

201A-MCC

New Developments in Sourcing and Selling Strategies

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Basak Kalkanci, Georgia Institute of Technology, Atlanta, GA, United States, basak.kalkanci@scheller.gatech.edu

Co-Chair: Necati Tereyagoglu, Scheller College of Business, Georgia Institute of Technology, Atlanta, GA, United States, necati.tereyagoglu@scheller.gatech.edu

1 - Strategic Sourcing Under Competition And Asymmetric Cost Information
Lusheng Shao, The University of Melbourne, Level 10, 198 Berkeley Street, Melbourne, 3010, Australia, lusheng.shao@unimelb.edu.au, Xiaole Wu, Fuqiang Zhang

2 - Money-back Guarantees In A Distribution Channel: Bargaining Power & Downstream Competition
Yufei Huang, Assistant Professor, University of Bath, Bath, United Kingdom, y.huang@bath.ac.uk, Tingliang Huang, Ying-Ju Chen

3 - Selling To Socially Connected Customers
Ruslan Momot, INSEAD, Fontainebleau, France, ruslan.momot@insead.edu, Elena Belavina, Karan Girotra

4 - Subscription Box Business Models: Pricing And Quality Decisions
Basak Kalkanci, Georgia Institute of Technology, basak.kalkanci@scheller.gatech.edu, Necati Tereyagoglu

■ TA28

201B-MCC

Sequential Sampling and Optimization

Sponsored: Applied Probability

Sponsored Session

Chair: Raghu Pasupathy, Purdue University, West Lafayette, IN, United States, pasupath@purdue.edu

1 - Sequential Stopping Rules For Simulation Problems Where Variance Estimation Is Difficult
Jing Dong, Northwestern University, jing.dong@northwestern.edu, Peter W Glynn

2 - Probabilistic Bisection Converges Almost As Quickly As Stochastic Approximation
Shane Henderson, Professor, Cornell University, 230 Rhodes Hall, Ithaca, NY, 14853, United States, sgh9@cornell.edu, Peter Frazier, Rolf Waeber

3 - Fixed-Step, Line Search, And Trust-Region Adaptive Sampling Recursions for Simulation Optimization
Raghu Pasupathy, Purdue University, pasupath@purdue.edu

■ TA29

202A-MCC

Managing Capacity in Energy Markets Through Demand and Supply-side Interventions

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Charles J Corbett, University of California - Los Angeles, Los Angeles, CA, United States, charles.corbett@anderson.ucla.edu

1 - Energy Efficiency Contracting In Supply Chains Under Asymmetric Bargaining Power
Ali Shantia, HEC Paris, 1 rue de la Liberation, Jouy-en-Josas, 78350, France, ali.shantia@hec.edu, Sam Aflaki, Andrea Masini

2 - An Analysis Of Time-based Pricing In Electricity Supply Chains
Asligul Serasu Duran, Kellogg School of Management, 2001 Sheridan Road, 5th floor, Evanston, IL, 60208, United States, a-duran@kellogg.northwestern.edu, Baris Ata, Ozge Islegen

3 - Investments In Renewable And Conventional Energy: The Role Of Operational Flexibility
Kevin Shang, Duke University, Durham, NC, United States, khshang@duke.edu, Gurhan Kok, Safak Yucel

4 - Explaining The Variation In Progress In The Us Nuclear Industry
Christian Blanco, University of California - Los Angeles, Los Angeles, CA, United States, cblanco@anderson.ucla.edu, Felipe Caro, Charles J Corbett

■ TA30

202B-MCC

Studies in Service Operations

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Robert Batt, Wisconsin School of Business, UW - Madison, Madison, WI, United States, rbatt@bus.wisc.edu

1 - Heart Failure transitions: Staffing Follow-up Clinics To Reduce Readmissions
Itai Gurvich, Kellogg School of Management, i-gurvich@kellogg.northwestern.edu, Benjamin Grant, Jan A Van Mieghem, Kannan Mutharasan

2 - Question-and-answer Forums For Product Support: Crowdsourcing Service To Customers
Konstantinos Stouras, INSEAD, konstantinos.stouras@insead.edu

3 - Scale, Scope And Hospital Productivity: An Empirical Study Of Volume Spillovers Across Hospital Services
Michael Freeman, Judge Business School, University of Cambridge, Cambridge, United Kingdom, mef35@cam.ac.uk, Nicos Savva, Stefan Scholtes

4 - Finding A Needle In A Haystack: The Effects Of Searching And Learning On Pick-worker Performance
Robert Batt, Assistant Professor, Wisconsin School of Business, UW-Madison, Madison, WI, United States, bob.batt@wisc.edu, Santiago Gallino

■ TA31

202C-MCC

Supply Chain Finance and Risk Management

Sponsored: Manufacturing & Service Oper Mgmt, iFORM

Sponsored Session

Chair: Wei Luo, IESE Business School, Av. Pearson 21, Barcelona, n/a, Spain, wluo@iese.edu

1 - The Effectiveness Of Supplier Buy Back Finance: Evidence From Chinese Automobile Industry
Weiming Zhu, University of Maryland, weimingzhu@rhsmith.umd.edu

2 - Suppliers As Liquidity Providers
Panos Markou, IE Business School, pmarkou.phd2016@Student.ie.edu, Daniel S Corsten, Reint Gropp

3 - Financial Fluctuations Through Dynamic Networks
Stefano Nasini, IESEG School of Management, Paris/Lille, France, s.nasini@ieseg.fr, Mireia Giné, Miguel Antón

4 - Financing Sellers Via E-commerce Platform In The Presence Of Seller Competition
Long Ren, Tsinghua University, renl.12@sem.tsinghua.edu.cn, Lingxiu Dong

■ TA32

203A-MCC

Revenue Mgt, Pricing I

Contributed Session

Chair: Syed Asif Raza, Qatar University, College of Business and Economics, Doha, 2713, Qatar, syedar@qu.edu.qa

1 - Reputation-based Pricing In E-commerce Retailing
Renato E de Matta, Associate Professor, University of Iowa, 2360 Mulberry Street, Coralville, IA, 52241, United States, renato-dematta@uiowa.edu, Timothy Joe Lowe, Dengfeng Zhang

2 - Research On Pricing Decision Of Remanufacturing Considering Product Disassemblability And Recycling Quality Uncertainty
Juhong Gao, Dr., College of Management and Economics, Tianjin University, Building 25-A No.92 Weijin Road, Nankai, Tianjin, 300072, China, gaojuhong@tju.edu.cn, Mengmeng Li

3 - Dynamic Pricing In China's Largest E-retailer JD.com
Dongdong Ge, Professor, Shanghai University of Finance and Economics, School of Information management and eng, 777 Guoding Road, Shanghai, 200433, China, dongdong@gmail.com

4 - Economic Order Quantity Models For Joint Pricing And Greening Effort Decisions With Discounts
Syed Asif Raza, Qatar University, College of Business and Economics, Doha, 2713, Qatar, syedar@qu.edu.qa

■ TA33

203B-MCC

Queueing Models

Contributed Session

Chair: Pedro Cesar Lopes Gerum, PhD Student, Rutgers University, 96 Frelinghuysen Road, CoRE Building, Room 201, piscataway, NJ, 8854, United States, pedro.gerum@rutgers.edu

1 - Mean Value Analysis Of Mixed Queuing Networks
Ivo Adan, Eindhoven University of Technology, Den Dolech 2, Eindhoven, 5600 MB, Netherlands, I.Adan@tue.nl, Vidyadhar Kulkarni

2 - Simple And Efficient Ways For Discrete GI/G/1 Queues
Winfried K Grassmann, Professor emeritus, University of Saskatchewan, 110 Science Place, 176 Thorvaldson Building, Saskatoon, SK, S7N 5C9, Canada, grassman@cs.usask.ca

3 - A Queueing System With On-demand Servers: Local Stability Of Fluid Limits
Lam M Nguyen, PhD Student, Lehigh University, 200 West Packer Avenue, Room 362, Bethlehem, PA, 18015, United States, lmn214@lehigh.edu, Alexander Stolyar

4 - Traffic Density Analytical Model Validation And Applications
Pedro Cesar Lopes Gerum, PhD Student, Rutgers University, 96 Frelinghuysen Road, CoRE Building, Room 201, piscataway, NJ, 08854, United States, pedro.gerum@rutgers.edu, Melike Baykal-Gursoy, Marcelo Ricardo Figueroa

■ TA34

204-MCC

Provider Staffing and its Impact on Patient Flow

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Retsef Levi, MIT, 100 Main Street, Building E62-562, Cambridge, MA, 02142, United States, retsef@mit.edu

Co-Chair: Cecilia Zenteno, Massachusetts General Hospital, 55 Fruit Street, White 400, Boston, MA, 02114, United States, azentenolangle@mgh.harvard.edu

1 - Ed Physician Staffing Via Multi-stage Multi-class Network
Caglar Caglayan, Georgia Institute of Technology, Atlanta, GA, 30318, United States, ccaglayan6@gatech.edu, Mustafa Y Sir, Kalyan Pasupathy, Turgay Ayer, Yunan Liu

2 - Discrete Event Simulation Of Outpatient Flow In A Phlebotomy Clinic
Elizabeth Olin, University of Michigan, 1205 Beal, Ann Arbor, MI, 48109, United States, genehkim@umich.edu, Amy Cohn, Ajaay Chandrasekaran

3 - Quantifying Provider's Schedule Effects On Patient's Length-of-Stay
Kimia Ghobadi, MIT, Cambridge, MA, United States, kimiag@mit.edu, Andrew Johnston, Retsef Levi, Walter O'Donnell

■ TA35

205A-MCC

Online Services: Learning and Pricing

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Yash Kanoria, Columbia University, Graduate School of Business, New York, NY, 10027, United States, ykanoria@columbia.edu

Co-Chair: Vijay Kamble, Stanford University, Stanford, CA, 9, United States, vijaykamble.iitkgp@gmail.com

1 - Efficiency And Performance Guarantees For Network Revenue Management Problems With Customer Choice
David Simchi-Levi, Massachusetts Institute of Technology, Dept of Civil and Environmental Engineering, 77 Massachusetts Avenue Rm 1-171, Cambridge, MA, 02139, United States, dslevi@mit.edu, Wang Chi Cheung

2 - Optimal Version Updates
Gad Allon, Northwestern University, g-allon@kellogg.northwestern.edu

3 - Service Systems With Coarse Priorities: The Social Cost Of Revenue Maximization
Martin Lariviere, Northwestern University, 2001 Sheridan Rd, Evanston, IL, 60208, United States, m-lariviere@kellogg.northwestern.edu, Itai Gurvich, Can Ozkan

4 - Learning In Online Matching Platforms: Multi-armed Bandits With Capacity Constraints
Vijay Kamble, Stanford University, Stanford, CA, 9, United States, vijaykamble.iitkgp@gmail.com

■ TA36

205B-MCC

Operations and Supply Chains for Innovative Goods

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Robert Swinney, Duke University, Durham, NC, United States, robert.swinney@duke.edu

1 - Promoting Innovative Technology In Developing Countries Through Solution-based Contracts
Guangrui Ma, Tianjin University, Tianjin, China, magr@connect.ust.hk, Ying-Ju Chen, Hau Leung Lee

2 - Designing Supply Chains For Substitutable Digital And Physical Goods
Zhenhuan Lei, Duke University, zhenhuan.lei@duke.edu, Robert Swinney

3 - Dynamic Stimulus In Crowdfunding
Longyuan Du, University of Toronto, Toronto, ON, Canada, Longyuan.Du14@rotman.utoronto.ca, Ming Hu, Jiahua Wu

4 - Food Wastage In Commercial Kitchens
Varun Karamshetty, INSEAD, Fontainebleau, 77300, France, varun.karamshetty@insead.edu, Elena Belavina, Karan Girotra

■ TA37

205C-MCC

Sustainability Issues in Supply Chains I

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Saed Alizamir, Yale University, 165 Whitney Ave, New Haven, CT, 06511, United States, saed.alizamir@yale.edu

1 - Should Brands Tighten Certification Standards
Li Chen, Cornell University, Ithaca, NY, United States, li.chen@cornell.edu, Shiqing Yao, Kaijie Zhu

2 - Can Brands Claim Ignorance? Unauthorized Subcontracting In Apparel Supply Chains
Anna Saez de Tejada Cuenca, PhD Student, UCLA Anderson School of Management, Los Angeles, CA, United States, anna.sdtc.1@anderson.ucla.edu, Felipe Caro

3 - Optimal Production Planing In Agricultural Supply Chains
Utku Serhatli, PhD Student, INSEAD, Constance de le Boulevard, Fontainebleau, 77590, France, utku.serhatli@insead.edu, Enver Yucesan, Andre Du Pin Calmon

4 - Managing A Responsible Supply Chain Under Threat Of Public Disclosure
Saed Alizamir, Yale University, saed.alizamir@yale.edu, Sang Kim

■ TA38

206A-MCC

Reliability II

Contributed Session

Chair: Mengmeng Zhu, Rutgers University, Piscataway, NJ, 8854, United States, mengmeng.zhu@rutgers.edu

1 - Optimal Design Of Hybrid Sequential Testing For A System With Mixture Of One-shot Units
Elsayed A Elsayed, Distinguished Professor, Rutgers University, 96 Frelinghuysen Rd, Piscataway, NJ, 08854-8018, United States, elsayed@rci.rutgers.edu

2 - Transportation Network Fragility And Economic Losses
Narges Kaveshgar, University of South Carolina, 300 Main Street, Department of Civil and Environmental Engineering, Columbia, SC, 29208, United States, kaveshga@email.sc.edu, Nathan Huynh, Joseph Von Nessen

3 - Analyzing Coastal Highway Network Reliability In Hurricane Flooding Surge Through Geographic Information System
Lei Bu, Institute for Multimodal Transportation, Jackson, MS, United States, leibu04168@gmail.com, Feng Wang

4 - Two Phase Imperfect Debugging And Imperfect Fault Removal Software Reliability Modeling
Mengmeng Zhu, Rutgers University, Piscataway, NJ, 08854, United States, mengmeng.zhu@rutgers.edu, Hoang Pham

■ TA39

207A-MCC

Artificial Intelligence in Big Data

General Session

Chair: Xiao Liu, University of Arizona, 1300 E. Fort Lowell Road G109, Tucson, AZ, 85719, United States, xiaoliu@email.arizona.edu

1 - Does Interim Winner's Performance Information Playa Role? An Empirical Investigation Of The Rank-order Newsvendor Contests
Abraham Seidmann, Simon Business School, University of Rochester, Simon Business School, Dir of OR Dept, Rochester, NY, 14627, United States, avi.seidmann@simon.rochester.edu, Tong Wu

2 - Big Data In The Healthcare And Wellness Industry
Stephen J Stoyan, Director, Business Analytics and Strategy, Abbott Laboratories, 100 Abbort Park Road, Chicago, IL, 60064, United States, stephen.stoyan@abbott.com

3 - Sales Assistance Search And Purchase Decisions An Analysis Using Retail Video Data
Aditya Jain, Baruch College, Zicklin School of Business, 55 Lexington Ave, Suite 9-240, New York, NY, 10010, United States, aditya.jain@baruch.cuny.edu, Sanjog Misra, Nils Rudi

4 - Mining E-cigarette Adverse Events Using The LSTM-based RNN Model With Word Embeddings Features
Jiaheng Xie, University of Arizona, Department of Management Information Systems, Tucson, AZ, 6, United States, xiej@email.arizona.edu

■ TA40

207B-MCC

Markov Decision Processes: Applications

Sponsored: Applied Probability

Sponsored Session

Chair: Jie Ning, Case Western Reserve University, 11119 Bellflower Rd, Case Western Reserve University, Cleveland, OH, 44106, United States, jie.ning@case.edu

Co-Chair: Matthew J Sobel, Case Western Reserve University - Retired, 11119 Bellflower Rd, Case Western Reserve University, Cleveland, OH, 44106, United States, matthew.sobel@case.edu

1 - Optimal Policies For Risk-averse Electric Vehicle Charging With Spot Purchases
Daniel Jiang, University of Pittsburgh, Pittsburgh, PA, 15261, United States, drjiang@pitt.edu, Warren B Powell

2 - On The Optimal Timing Of Meld Score Updates In The Liver Transplantation System
Sepehr Nemati, Ivey School of Business, 1255 Western Road, Ivey Business School, London, ON, N6G 0N1, Canada, sproon@ivey.uwo.ca, Zeynep Icten, Lisa N Maillart, Andrew J Schaefer, Mark Roberts

3 - Operational And Financial Decisions Within Proportional Investment Cooperatives
Xiaoyan Qian, PhD Student, University of Auckland, 12 Grafton Road, Auckland, 1010, New Zealand, x.qian@auckland.ac.nz, Tava Olsen

4 - Easy Affine Markov Decision Processes: Applications And Algorithms
Jie Ning, Case Western Reserve University, jie.ning@case.edu, Matthew J Sobel

■ TA41

207C-MCC

Quantitative Methods in Finance VI

Sponsored: Financial Services

Sponsored Session

Chair: Xuefeng Gao, The Chinese University of Hong Kong, William MWM Engineering Building, Shatin, NA, Hong Kong, xfgao@se.cuhk.edu.hk

1 - A Primal-dual Iterative Method For Stochastic Dynamic Programming And Its Applications
Nan Chen, Chinese University of Hong Kong, nchen@se.cuhk.edu.hk

2 - Operational Risk Management: Coordinating Capital Investment And Firm Growth
Lingjiong Zhu, Florida State University, zhu@math.fsu.edu

3 - Limit Theorems For Hawkes Processes With A Large Initial Intensity
Xuefeng Gao, The Chinese University of Hong Kong, xfgao@se.cuhk.edu.hk

4 - Testing The Capital Asset Pricing Model Under Economic Regime Shifts
Yonggan Zhao, Professor, Dalhousie University, 6100 University Avenue, Suite 2010, Halifax, NS, B3H 4R2, Canada, yonggan.zhao@dal.ca

■ TA42

207D-MCC

Choice Models and Assortment Optimization

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Sumit Kunnumkal, Indian School of Business, Hyderabad, India, sumit_kunnumkal@isb.edu

1 - Assortment, Pricing And Market Expansion
Ruxian Wang, Johns Hopkins Carey Business School, Baltimore, MD, 21202, United States, ruxian.wang@jhu.edu

2 - Assortment Planning Decision In Two-sided Market
Ying Cao, University of Texas at Dallas, Ying.Cao@utdallas.edu, Dorothee Honhon, Sridhar Seshadri

3 - A Near-optimal Exploration-exploitation Approach For Assortment Selection
Vashist Avadhanula, Columbia University, New York, NY, 10027, United States, va2297@columbia.edu, Shipra Agrawal, Vineet Goyal, Assaf Zeevi

4 - New Bounds For Assortment Optimization Under The Nested Logit Model
Sumit Kunnumkal, Indian School of Business, sumit_kunnumkal@isb.edu

■ TA43

208A-MCC

Data-Driven Decision Making

Sponsored: Decision Analysis

Sponsored Session

Chair: Hiba Baroud, Assistant Professor, Vanderbilt University, 2301 Vanderbilt Place, PMB# 351831, Nashville, TN, 37212, United States, hiba.baroud@vanderbilt.edu

1 - Combining Data And Weakly Informative Priors To Make Better Decisions Faster
Adam Jason Fleischhacker, University of Delaware, ajf@udel.edu

2 - Projection Of Drought Risk For Thermoelectric Power Plants Using Downscaled Climate Scenarios
Royce Francis, Assistant Professor, George Washington University, Washington, DC, 20052, United States, seed@email.gwu.edu

3 - Data-driven Decision Analysis Model For Planning And Management Of Multiple Purpose Reservoir Cascade Systems
Thushara De Silva, Vanderbilt University, 400 24th Avenue South, 267 Jacobs Hall, Nashville, TN, 37212, United States, thushara.k.de.silva@vanderbilt.edu, George Hornberger, Hiba Baroud

4 - Using Data In Decision Making: Big Data, Little Data, No Data
Hiba Baroud, Vanderbilt University, hiba.baroud@vanderbilt.edu

■ TA44

208B-MCC

Investment Analysis and Financial Applications

Sponsored: Decision Analysis

Sponsored Session

Chair: Manel Baucells, University of Virginia Darden School of Business, 100 Darden Blvd, Charlottesville, VA, 22903, United States, baucellsm@darden.virginia.edu

1 - Net Present Value Analysis And Individual Utility
Manel Baucells, University of Virginia Darden School of Business, baucellsm@darden.virginia.edu, Sam Bodily

2 - An Expected Utility Approach For The Mean-variance Portfolio Problem
Felipe Macedo de Morais Pinto, Universidade Federal de Pernambuco, Caixa Postal 7471, Recife, 50630971, Brazil, felipe_mmp94@hotmail.com, Adiel T de Almeida Filho

3 - A Bayesian Approach For Consumer Credit Debt Collections Process
Adiel T de Almeida Filho, Assistant Professor, Universidade Federal de Pernambuco, Caixa Postal 7471, Recife, 50630971, Brazil, adieltaf@cdsid.org.br, Mee Chi So, Christophe Mues, Lyn C Thomas

4 - An Analytic Method For Investment Analysis In Mulichannel Retailing
Somayeh Yasamin Salmani, Drexel University, 2007 Chestnut Street, Apt D2, Philadelphia, PA, 19103, United States, ss3858@drexel.edu, Fariborz Partovi

■ TA45

209A-MCC

Efficient Learning in Stochastic Optimization

Sponsored: Simulation

Sponsored Session

Chair: Ilya O. Ryzhov, University of Maryland, 4322 Van Munching Hall, College Park, MD, 20742-1815, United States, iryzhov@rhsmith.umd.edu

1 - Continuous Learning For Contextual Bandits With Nonstationary Rewards
John G Turner, University of California Irvine, Irvine, CA, United States, john.turner@uci.edu, Amelia C Regan, Tianbing Xu, Yaming Yu

2 - Bayesian Bandits For Sequential Clinical Trials Of Multiple Technologies
Ozge Yapar, University of Pennsylvania, Philadelphia, PA, United States, yapar@wharton.upenn.edu, Stephen E Chick, Noah Gans

3 - Vssa — A Variable Sample-size Stochastic Approximation Schemes For Stochastic Convex Optimization
Uday V. Shanbhag, Pennsylvania State University, udaybag@engr.psu.edu, Afrooz Jalilzadeh, Jose Blanchet, Peter W Glynn

4 - A New Consistency Theory For Approximate Bayesian Inference
Ye Chen, University of Maryland, yechen@math.umd.edu, Ilya O Ryzhov

■ TA46

209B-MCC

Dynamic Games and Applications to Revenue Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Konstantinos Bimpikis, Stanford, Stanford, Palo Alto, CA, 94305, United States, kostasb@stanford.edu

1 - Dynamic Selling Mechanisms For Product Differentiation And Learning
N. Bora Keskin, Duke University, Durham, NC, United States, bora.keskin@duke.edu, John R Birge

2 - When Fixed Price Meets Priority Auctions: Service Systems With Dual Modes
Krishnamurthy Iyer, Cornell University, kriyer@cornell.edu, Jiayang Gao, Huseyin Topaloglu

3 - Customizing Marketing Decisions Using Field Experiments
Spyros Zoumpoulis, INSEAD, spyros.zoumpoulis@insead.edu, Theodoros Evgeniou, Duncan I Simester, Artem Timoshenko

■ TA47

209C-MCC

Personalized E-commerce

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Van Anh Truong, Cornell University, Ithaca, NY, United States, vat3@cornell.edu

1 - Distribution-free Pricing
Ming Hu, University of Toronto, Toronto, ON, Canada, Ming.Hu@rotman.utoronto.ca, Hongqiao Chen

2 - Revenue Management With Consumer Search Cost
Zizhuo Wang, University of Minnesota, Minneapolis, MN, United States, zwang@umn.edu, Yan Liu, William L Cooper

3 - Approximation Algorithms For Product Framing And Pricing
Anran Li, Columbia University, al2942@columbia.edu

■ TA48

210-MCC

Social Media Analysis II

Invited: Social Media Analytics

Invited Session

Chair: Yen-Yao Wang, Michigan State University, 5211 Madison Avenue, Apartment A5, Okemos, MI, 48864, United States, wangyen@broad.msu.edu

1 - A Unified Framework For Credit Evaluation For Internet Finance Companies
Meheli Basu, Graduate Research Assistant, University of Pittsburgh, 5820 Elwood Street, APT 33, Pittsburgh, PA, 15232, United States, meb209@pitt.edu

3 - Advances In Social Media Analytics For Ultra-low Latency Fintech Applications
Martin M Spollen, Queen's University, Belfast, BT9 5JX, United Kingdom, m.spollen@qub.ac.uk

4 - Momentum In Social Media And Sale Performance After Automobile Recalls
Yen-Yao Wang, Michigan State University, N204 Business College Complex, East Lansing, MI, United States, wangyen@broad.msu.edu, Tawei Wang, Roger Calantone

■ TA49

211-MCC

Classroom Activities

Sponsored: Education (INFORMED)

Sponsored Session

Chair: Vincent Hargaden, Assistant Professor, University College Dublin, 209 Engineering & Materials Science Centre,, Belfield, 00000, Ireland, vincent.hargaden@ucd.ie

1 - An Interactive Spreadsheet Based Game For Teaching Design Of Experiments And Response Surface Methodology
Anthony Bonifonte, Georgia Institute of Technology, ABonifon@gatech.edu

2 - Using Jupyter Notebook In The Operations Research Classroom
Nelson A Uhan, United States Naval Academy, uhan@usna.edu

3 - Analysis And Design Of Discrete Material Flow Systems: A Virtual Industrial Engineering Systems Pilot Laboratory
United States, dima.nazzal@isye.gatech.edu, Leon McGinnis, Timothy Sprock, George Thiers

4 - Teaching Earned Value Analysis Using A Classroom-based Dice Game
Vincent Hargaden, Assistant Professor, University College Dublin, 209 Engineering & Materials Science Centre, Belfield, Ireland, vincent.hargaden@ucd.ie, Virpi Turkulainen

■ TA50

212-MCC

SpORts: Sports Analytics Education

Sponsored: SpORts

Sponsored Session

Chair: Keith A Willoughby, University of Saskatchewan, 25 Campus Drive, Saskatoon, SK, S7N 5A7, Canada, willoughby@edwards.usask.ca

1 - Bracketology: How Business Analytics Can Help You Fill Out Your Bracket
Michael Magazine, University of Cincinnati, mike.magazine@uc.edu

2 - When Is It Ok Not To Score? Teaching Decision Analysis With The Sport Of Curling
Keith A Willoughby, University of Saskatchewan, Saskatoon, SK, Canada, willoughby@edwards.usask.ca, Kent J. Kostuk

3 - A Playbook For Teaching Sports Analytics To Undergraduate Business And MBA Students
Scott Nestler, University of Notre Dame, snestler@nd.edu

■ TA51

213-MCC

Lifting up Populations

Sponsored: Public Sector OR

Sponsored Session

Chair: Feyza Guliz Sahinyazan, McGill University, Desautels Faculty of Management, Montreal, QC, HA 1G5, Canada, feyza.sahinyazan@mail.mcgill.ca

1 - Resilience-based Post-disaster Recovery Strategies For Community Road-bridge Networks
Weili Zhang, University of Oklahoma, 202 W. Boyd St., Room 116, Norman, OK, 73019, United States, weili.zhang-1@ou.edu, Naiyu Wang, Charles Nicholson

2 - A Multi-objective Optimization Model For Mitigating Community Economic Loss And Population Dislocation
Weili Zhang, University of Oklahoma, 202 W. Boyd St., Room 116, Norman, OK, 73019, United States, weili.zhang-1@ou.edu, Charles Nicholson

3 - A Data-driven Approach On Training Set Optimizaton For Genomic Selection In Plant Breeding
Guiping Hu, Iowa State University, guiping.hu.2011@gmail.com, Shiyang Huang

4 - How To Provide Food Aid In Kenya: In Kind, Cash Or Voucher?
Feyza Guliz Sahinyazan, PhD Candidate, McGill University, 1001 Sherbrooke Street West, Montreal, QC, H3A 1G5, Canada, feyza.sahinyazan@mail.mcgill.ca, Marie-Ève Rancourt, Vedat Verter

■ TA52

214-MCC

Transportation Issues in Smart Cities

Sponsored: Public Sector OR

Sponsored Session

Chair: Leila Hajibabai, WSU, 405 Spokane St, Pullman, WA, 99163, United States, leila.hajibabai@wsu.edu

1 - Development Of An Optimal Control Logic For Autonomous Intersection Management
Amir Mirheli, Washington State University, Pullman, WA, 99163, United States, amir.mirheli@wsu.edu, Clayton Cline, Leila Hajibabai, Ali Hajbabaie

2 - Variable Speed Limit Optimization In Urban Street Networks
Mehrdad Tajalli, Graduate Research Assistant, Washington State University, Pullman, WA, United States, mehrdad.tajalli@wsu.edu, Sattar Sattarov, Ali Hajbabaie

3 - Dynamic Traffic Metering In Urban Street Networks
Rasool Mohebifard, Washington State University, Pullman, WA, United States, rasool.mohebifard@wsu.edu, Andrew Stephenson, Ali Hajbabaie

4 - Distributed-coordinated Signal Timing Optimization In Connected Transportation Networks
S.M.A Bin Al Islam, Graduate Research Assistant, Washington State University, 545 NE Morton Street, Apt 202, Pullman, WA, 99163, United States, smabinal.islam@wsu.edu, James Amundsen, Ali Hajbabaie

5 - Strategic Design Of Station Location And Patrol Routing For Incident Response Programs
Debashis Saha, Washington State University, Pullman, WA, 1, United States, debashis.saha@wsu.edu, Leila Hajibabai

■ TA53

Music Row 1- Omni

Organizational Learning, Innovation and Knowledge Creation

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Chair: Leonardo Santiago, Copenhagen Business School, Department of Operations Management, Solbjerg Plads 3, Blok B 5. sal, Frederiksberg, 2000, Denmark, ls.om@cbs.dk

1 - Why Scale Matters In Social Network Analysis: The Case Of Twitter Conversations about YouTube Product Categories
Charles Weber, Portland State University, Portland, OR, United States, webercm@gmail.com, Nitin Mayande

2 - Role Of Firm Knowledge, Quality Conformance And Lean Practices On Product Development
Vashkar Ghosh, University of Florida, Warrington College of Business, Gainesville, FL, United States, vashkar.ghosh@warrington.ufl.edu, Janice E Carrillo

3 - The Impact Of Learning On Cumulative Innovation
Leonardo Santiago, Copenhagen Business School, ls.om@cbs.dk, Julia Couto, Nitin Joglekar

■ TA54

Music Row 2- Omni

Service Science in Electricity Supply

Sponsored: Service Science

Sponsored Session

Chair: Zhi Zhou, Argonne National Laboratory, Energy Systems Division, Argonne, IL, 60439, United States, zzhou@anl.gov

1 - Guided Particle Swarm Optimizer For Transactive Operation Of Interconnected Micro-grids
Yang Chen, University of Illinois at Chicago, Chicago, IL, 60607, United States, ychen429@uic.edu, Mengqi Hu

2 - Coordinated Multi-area Dispatch For Wholesale Electricity Markets
Feng Zhao, ISO New England, Holyoke, MA, United States, fzhao@iso-ne.com, Dane Andrew Schiro, Eugene Litvinov

3 - Nuclear Plants Market Competitiveness With Flexible Operational Capability
Zhi Zhou, Argonne National Laboratory, zzhou@anl.gov, Jesse D Jenkins, Audun Botterud

■ TA55

Music Row 3- Omni

Inventory Management III

Contributed Session

Chair: Naser Nikandish, California State University Fullerton, 800 N State College Blvd, Anaheim, CA, 92806, United States, nnikandish@fullerton.edu

1 - A Queueing Service Problem With MDP In Steel Slab Yard
Yanhe Jia, Student, Northeastern University, Heping Street, Shenyang,Liaoning, 110819, China, yhejia@126.com, Lixin Tang

2 - Integrating Inventory Classification And Control Decisions To Maximize Order Fulfillment Measures
Liu Yang, Assistant Professor, Purdue University, 3000 Technology Ave, New Albany, IN, 47150, United States, LYang@purdue.edu, Haitao Li, James F Campbell, Donald C. Sweeney

3 - A Partially Observed Inventory Control Problem
Satya Sarvani Malladi, PhD Student, Georgia Institute of Technology, 2209 Briarcliff Rd NE, Apt 17, Atlanta, GA, 30329, United States, mss@gatech.edu, Alan Erera, Chelsea C. White

4 - Dynamic Inventory Management Of Hybrid Manufacturing/Remanufacturing Systems With Different Lead Times
Tong Wang, PhD Student, The Chinese University of Hong Kong, 511D William M Engineering Building, Hong Kong, twang@se.cuhk.edu.hk, Xiting Gong, Xiuli Chao

5 - Inventory Management Under Labor Constraints On Restocking
Naser Nikandish, California State University Fullerton, 800 N State College Blvd, Anaheim, CA, 92806, United States, nnikandish@fullerton.edu, Lawrence W Robinson

■ TA56

Music Row 4- Omni

Economics of Information Technology and Social Media

Sponsored: EBusiness

Sponsored Session

Chair: Liangfei Qiu, Gainesville, FL, United States, liangfei.qiu@warrington.ufl.edu

1 - Sponsored Data: Smarter Data Pricing In The Age Of Data Cap
Xiaowei Mei, University of Florida, xmei@ufl.edu

2 - Please Share! Online Word Of Mouth And Charitable Crowdfunding
Mahdi Moqri, University of Florida, Gainesville, FL, United States, mahdi.moqri@warrington.ufl.edu

3 - "Hidden Profiles" In Corporate Prediction Markets: The Impact Of Public Information Precision And Social Interactions
Jingchuan Pu, University of Florida, Gainesville, FL, United States, jingchuan@ufl.edu, Liangfei Qiu, Hsing K Cheng

4 - Credit Card Companies And Is-integrated Marketing Platforms: A Comparison Of Social Network Promotions And Targeted Promotions
Soohyun Cho, University of Florida, Gainesville, FL, United States, soohyun.cho@warrington.ufl.edu, Liangfei Qiu, Subhajyoti Bandyopadhyay

■ TA57

Music Row 5- Omni

Insights from Relaxing Traditional Modeling Assumptions about Human Behavior in OM Settings

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Jordan Tong, Wisconsin School of Business, 4293 Grainger Hall, Madison, WI, 53706, United States, jtong@bus.wisc.edu

1 - Utility Based Queueing: Predicting Delay When Servers Are Strategic
Amy Ward, University of Southern California, amyward@marshall.usc.edu, Sherwin Doroudi, Ragavendran Gopalakrishnan, Adam Wierman, Dongyuan Zhan

2 - Service Systems With Unknown Quality & Customer Anecdotal Reasoning
Tingliang Huang, Carroll School of Management, Boston College, 140 Commonwealth Avenue, Chestnut Hill, MA, 02467, United States, tingliang.huang@bc.edu, Hang Ren, Kenan Arifoglu

3 - The Effect Of Social Information On Demand In Quality Competition
Dayoung Kim, Cornell University, dk668@cornell.edu

4 - Selling To Experience-sampling Customers: Quality Conformance, Pricing, And Promotions
Gregory A DeCroix, University of Wisconsin - Madison, greg.decroix@wisc.edu, Jordan Tong

■ TA58

Music Row 6- Omni

Energy VX

Contributed Session

Chair: Ruediger Schultz, University of Duisburg Essen, Thea-Leymann-Str. 9, Essen, D-45127, Germany, ruediger.schultz@uni-due.de

1 - Managing Stored Energy In Microgrids Via Multistage Stochastic Programming
Arnab Bhattacharya, PhD Candidate, University of Pittsburgh, 1031 Benedum Hall, 3700 O'Hara Street, Pittsburgh, PA, 15261, United States, cfcarnabiitkgp@gmail.com, Jeffrey P. Kharoufeh, Bo Zeng

2 - A Crowdfunding Model For Green Energy Investment
Ying Xu, Assistant Professor, Singapore University of Technology and Design, Singapore, Singapore, xu_ying@sutd.edu.sg, Ronghuo Zheng, Nilanjan. Chakraborty, Katia P. Sycara

3 - Incentive-based Coordination Mechanism For Backup Renewable Energy Investment
Sadra Babaei, Oklahoma State University, Stillwater, OK, United States, sadra.babaei@okstate.edu, Chaoyue Zhao

4 - Nomination Validation In Gas Grids Under Uncertainty
Ruediger Schultz, University of Duisburg Essen, Thea-Leymann-Str. 9, Essen, D-45127, Germany, ruediger.schultz@uni-due.de

■ TA59

Cumberland 1- Omni

Modeling Interdependent Infrastructure Networks

Sponsored: Transportation Science & Logistics

Sponsored Session

Chair: Xiaozhang He, Perdue University, West Lafayette, IN, United States, seanhe@purdue.edu

1 - Algorithm To Identify Intermodal Project Prioritization
Irina Benedyk, Purdue University, West Lafayette, IN, United States, birina@purdue.edu, Srinivas Peeta

2 - Multi-objective Spare Parts Location-inventory Optimization
Hector Vergara, Oregon State University, School of Mechanical, Industrial and, Manufacturing Engineering, Corvallis, OR, 97331, United States, hector.vergara@oregonstate.edu, Prasanna Venkatesh Rajaraman

3 - Interdiction And Restoration Of Interdependent Infrastructure Systems In Military Operations
Liqun Lu, University of Illinois, Normal, IL, United States, liqunlu2@illinois.edu, Zhaodong Wang, Yanfeng Ouyang

4 - Critical Component Strengthening Strategies To Enhance The Resilience Of Interdependent Infrastructure Systems
Xiaozheng He, Purdue University, 3000 Kent Ave., West Lafayette, IN, 47906, United States, seanhe@purdue.edu, Chao Zhang, Srinivas Peeta

5 - Identifying Critical Components Of The Public Transit Network To Mitigate Contagion Episodes
Lauren Gardner, UNSW Australia, Sydney, Australia, l.gardner@unsw.edu.au, András Bota, Alireza Khani

■ TA60

Cumberland 2- Omni

Modeling and Analysis of Innovative Mobility Services II

Sponsored: TSL, Urban Transportation

Sponsored Session

Chair: Yu Nie, Northwestern University, 633 Clark Street, Evanston, IL, 60208, United States, y-nie@northwestern.edu

1 - Green Same Day Package Delivery Service With Real-time Demand
Lin Jane, University of Illinois - Chicago, janelin@uic.edu, Wei Zhou, Lili Du

2 - Distributed Computation Based Car-following Control Integrating Optimal System Performance For A Platoon Of Autonomous Vehicles
Siyuan Gong, PhD Candidate, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL, United States, sgong1@hawk.iit.edu, Jinglai Shen, Lili Du

3 - Demand Adaptive Paired-line Hybrid Transit System In Radial Transit Network
Yu Nie, Northwestern University, A328 Technological Institute, 2145 Sheridan Road, Evanston, IL, 60208, United States, y-nie@northwestern.edu, Peng Chen

4 - Shared-use Mobility And Parking Provision
Zhengtian Xu, University of Florida, Gainesville, FL, United States, zhengtianxu@ufl.edu, Yafeng Yin, Liteng Zha

■ TA62

Cumberland 4- Omni

Distributed Control of Multi-Agent Networks

Sponsored: Aviation Applications

Sponsored Session

Chair: Shaoshuai Mou, Purdue University, 701 W. Stadium Ave., West Lafayette, IN, 47907-2045, United States, mous@purdue.edu

1 - A Distributed Algorithm For Solving Linear Algebraic Equations
Shaoshuai Mou, Purdue University, mous@purdue.edu

2 - Control And Coordination Of Quadrotors
Wenlong Zhang, Arizona State University, Wenlong.Zhang@asu.edu

3 - Stochastic Scheduling Estimation Of Multiple Discrete-time Linear Time Invariant Systems
Chong Li, Staff Research Engineer, Qualcomm Research & Development, Bridgewater, NJ, United States, lichong0436213@gmail.com

■ TA63

Cumberland 5- Omni

Alternative Fuel Refueling Location Problems

Sponsored: Location Analysis

Sponsored Session

Chair: Ismail Capar, Texas A&M University, TAMU 3367, College Station, TX, 77843, United States, capar@tamu.edu

1 - Community-aware Charging Station Network Design For Electrified Vehicles In Urban Areas: Improving Accessibility, Reducing Emissions, And Promoting Walking
Sina Faridimehr, Wayne State University, sina.faridimehr@wayne.edu, Saravanan Venkatachalam, Ratna Babu Chinnam

2 - Capacitated Hydrogen Refueling Station Location Problem With Traffic Deviations Over Multiple Time Periods
Burcu Keskin, The University of Alabama at Tuscaloosa, bkeskin@cba.ua.edu, Mohammad Miralinaghi, Yingyan Lou, Arash M. Roshandeh

3 - Transnational Infrastructure Planning For Natural Gas Trucking
Ismail Capar, Texas A&M University, capar@tamu.edu, Michael J Kuby, Jong-Geun Kim

■ TA64

Cumberland 6- Omni

Multi-Criteria Decision Making in Agriculture

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Jay Parsons, University of Nebraska-Lincoln, Lincoln, NE, United States, jparsons4@unl.edu

1 - Flexible Stocking Strategies In A Variable Climate: From Research To Reality
John Ritten, University of Wyoming, Laramie, WY, United States, john.ritten@uwyo.edu, Justin Derner, Christopher Bastian, John Tanaka, David Agustine, Lauren Porensky, Mark Eisele, Kendall Roberts

2 - A Network Comparison Of Competing Institutions For Managing Water Against Hydropower And Irrigation Demands
Patrick O'Reilly, PhD Candidate, Mineral and Energy Economics, Colorado School of Mines, Golden, CO, United States, poreilly@mines.edu

■ TA65

Mockingbird 1- Omni

Analytical and Empirical Analyses of Digital Markets

Sponsored: Information Systems

Sponsored Session

Chair: Yi-Jen Ho, Pennsylvania State University, Pennsylvania State University, University Park, PA, 16801, United States, hoy1@uci.edu

1 - Mobile App Analytics: Impact Of Popularity, Quality And Rank on Click And Conversion Performance
Shengjun Mao, University of California - Irvine, shengjum@uci.edu

2 - An Empirical Analysis Of Price Dispersion In Electronic Markets
Jin Sik Kim, University of California-Irvine, Irvine, CA, 92617, United States, jinsk6@uci.edu, Vijay C Gurbaxani

3 - Product Upgrades With Innovation Uncertainty
Yiwei Wang, University of California-Irvine, derekw7@uci.edu

4 - The Impact Of Digitization On Optimal Content Pricing Strategy
Ran Zhang, University of California-Irvine, ranz2@uci.edu

■ TA66

Mockingbird 2- Omni

Data Analytics and Reliability in Energy/Smart Grids

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Ramin Moghaddass, University of Miami, McArthur Engineering Building, Miami, FL, 33146, United States, raminm@mit.edu

1 - Wind Turbine Wake Effects: Characteristics And Impacts On Wind Power Generation
Hoon Hwangbo, Texas A&M University, Dept. of Industrial & Systems Engineering, 3131 TAMU, College Station, TX, 77843-3131, United States, hhwangbo@tamu.edu, Andrew L Johnson, Yu Ding

2 - Statistical Monitoring Of Data Attacjs In Smartgrids
George Michailidis, University of Florida, gmichail@ufl.edu

3 - Opportunistic Condition Based Maintenance Optimization For Offshore Wind Farm
Sanling Song, Postdoc, Rutgers University, 33 Livingston Ave, Room 250, New Brunswick, NJ, 08901, United States, lamusesi38sanling@gmail.com, Frank A Felder, David W Coit

4 - Robust Optimization Based Power System Restoration For Incorporating Large-scale Wind Farms
Amir Golshani, University of Central Florida, Orlando, FL, United States, amir.golshani@knights.ucf.edu, Wei Sun, Qipeng Zheng

■ TA67

Mockingbird 3- Omni

IEEE T-ASE Invited Session III

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Jingshan Li, University of Wisconsin-Madison, 1513 University Ave, Madison, WI, 53706, United States, Jingshan.li@wisc.edu

1 - A Spatial Calibration Model For Quality Prediction
Kaibo Wang, Tsinghua University, kbwang@tsinghua.edu.cn

2 - Estimating Clearing Functions For Production Resources Using Simulation Optimization
Reha Uzsoy, NC State University, ruzsoy@ncsu.edu, Baris Kacar

3 - A BDD-based Approach For Designing Maximally Permissive Deadlock Avoidance Policies For Complex Resource Allocation Systems
Spyros Reveliotis, Georgia Tech, Atlanta, GA, United States, spyros.reveliotis@isye.gatech.edu, Zhennan Fei, Sajed Miremadi, Knut Akesson

4 - A Dynamic Control Algorithm For Distributed Feedback Control For Manufacturing Production, Capacity, And Maintenance
Seokgi Lee, Assistant Professor, University of Miami, 1251 Memorial Drive 281, Coral Gables, FL, 33146, United States, sgl14@miami.edu, Vittaldas V. Prabhu

■ TA68

Mockingbird 4- Omni

Graph Analytics for Complex Systems

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Hoang Tran, Texas A&M University, College Station, TX, United States, tran@tamu.edu

Co-Chair: Satish Bukkapatnam, Texas A&M University, College Station, TX, United States, satish@tamu.edu

1 - Predicting Community Structure In Dynamic Networks: A Case Of Online Educational Networks
Yi-Shan Sung, Penn State University, yqs5097@psu.edu, Soundar Kumara

2 - Detecting Changes In Complex Systems Via Network Inference
Hoang M Tran, Texas A&M University, College Station, TX, United States, tran@tamu.eud, Satish Bukkapatnam

3 - Graph Reconstruction From High-dimensional Systems Of Additive Differential Equations
Ali Shojaie, University of Washington, Seattle, WA, United States, ashojaie@uw.edu, Shizhe Chen, Daniela Witten

4 - Modeling And Change Detection Of Dynamic Network Data By A Network State Space Model
Na Zou, Texas A&M University, College Station, TX, 77845, United States, nzou1@tamu.edu, Jing Li

■ TA69

Old Hickory- Omni

Economics IV

Contributed Session

Chair: Fouad El Ouardighi, Professor, ESSEC Business School, Avenue B Hirsch BP 105, Cergy Pontoise, 95021, France, elouardighi@essec.fr

1 - A Note On Real Estate Pricing With Exogenous Variables
Hiroshi Ishijima, Professor, Chuo University, 1-18 Ichigaya-tamachi Shinjuku, Tokyo, 1628478, Japan, hiroshi.ishijima.jp@gmail.com, Akira Maeda

2 - Ensemble Model For U. S. Stock Major Index Prediction Using Economic Factors With Interactive Visualization
Yao-Te Tsai, Post-Doctoral Fellow, Auburn University, Auburn, AL, 36849, United States, yzt0007@auburn.edu, Bin Weng, Fadel Megahed, James Barth

3 - Capital Growth With Recycling And The Environmental Kuznets Curve
Fouad El Ouardighi, Professor, ESSEC Business School, Avenue B Hirsch BP 105, Cergy Pontoise, 95021, France, elouardighi@essec.fr

■ TA70

Acoustic- Omni

Transportation, Rail II

Contributed Session

Chair: Yalda Khashe, University of Southern California, 3230 Overland Ave. APT 312, Los Angeles, CA, 90034, United States, khashe@usc.edu

1 - Train Timetable Based Integer Programming Model For Passenger Assignment Problem In Congest Urban Rail Line
Si Ma, Associate Professor, Southwest Jiaotong University, Chengdu, China, masi@home.swjtu.edu.cn, Gongyuan Lu, Lin Wang

2 - Face Recognition Based Ticket Checking Solution In Speeding Train
Kui Yang, PH.D. Candidate, Southwest Jiaotong University, Chendu, 610031, China, ykylw@my.swjtu.edu.cn, Gongyuan Lu, Haifeng Yan

3 - Critical Systems Management Issues Of Implementing The Positive Train Control Technology In A Regional Railroad
Yalda Khashe, University of Southern California, 3230 Overland Ave. Apt 312, Los Angeles, CA, 90034, United States, khashe@usc.edu

■ TA71

Electric- Omni

Vehicle Routing I

Contributed Session

Chair: Mehdi Behroozi, University of Southern California, 3120 Bagley Ave, Apt 5, Los Angeles, CA, 90034-2930, United States, behro040@umn.edu

1 - Optimal And Heuristic Models For School Bus Fleet Size Problem
Jiayuan Zhang, Stony Brook University, 24 malvern lane, stony brook, NY, 11790, United States, jiayuan.zhang01@gmail.com, Herbert F. Lewis, Thomas Raymond Sexton, Sreekanth Mallikarjun

2 - Combined Maintenance And Routing Optimization For Large-scale Problems
John Fontecha-García, Instructor, Universidad de los Andes, Cra 1 Este No 19A - 40, Bogotá, Colombia, je.fontecha10@uniandes.edu.co, Raha Akhavan-Tabatabaei, Daniel Duque, Juan Pablo Rodríguez, Andres L Medaglia

4 - Simultaneous Production And Transportation Problem: A Case Of Additive Manufacturing
Gourav Dwivedi, Doctoral Student, Indian Institute of Management, Indian Institute of Management, IIM Road, Off Sitapur Road, Lucknow, 226013, India, fpm14013@iiml.ac.in, Yogesh K Agarwal, Rajiv K Srivastava

5 - Geometric Partitioning And Robust Ad-hoc Network Design
Mehdi Behroozi, University of Southern California, 3120 Bagley Ave, Apt 5, Los Angeles, CA, 90034-2930, United States, mehdi.behroozi@usc.edu, John Gunnar Carlsson, Xiang Li

■ TA72

Bass- Omni

Supply Chain Mgt IX

Contributed Session

Chair: Tugce Vural, Smeal College of Business, Pennsylvania State University, Smeal College of Business, 454 Business Building, University Park, PA, 16802, United States, tugcevural@psu.edu

1 - How Do Countries' Direct Manufacturing Costs And Hidden Costs Affect Manufacturers' Performance? An Empirical Study
Zhexiong Tao, McGill University, 1001 Rue Sherbrooke O, Montreal, QC, H3A1G5, Canada, zhexiong.tao@mail.mcgill.ca

2 - Joint Pricing And Production Decisions With Yield Uncertainty And Downconversion
Fen Lu, Huazhong University of Science and Technology, 1037 Luoyu Road,Hongshan District, Wuhan, China, Wuhan, 430074, China, lufen@hust.edu.cn

3 - Supply Chain Strategies And International Tax Arbitrage
Hung Tuan Do, Assistant Professor, University of Vermont, 55 Colchester Avenue, Burlington, VT, 05405, United States, hdo@uvm.edu, Masha Shunko, Andy A Tsay

4 - Dynamic Substitution Policy For Selling Multiple Products
Chengzhang Li, Purdue University, West Lafayette, IN, United States, li1392@purdue.edu, Qi Feng, J. George Shanthikumar

5 - Shipment Consolidation Under Different Delivery Date Options For E-tailing
Tugce Vural, Smeal College of Business, Pennsylvania State University, Smeal College of Business Department of Supply Chain and Information Systems, 454 Business Building, University Park, PA, 16802, United States, tugcevural@psu.edu, Nesim K Erkip

■ TA73

Legends A- Omni

Operations Management I

Contributed Session

Chair: Jingqi Wang, The University of Hong Kong, room 806, K.K.Leung Building, The University of Hong Kong, Hong Kong, Hong Kong, jingqi@hku.hk

1 - Equilibria Of Decision Signalling Problem In A Time Sensitive Market
Sheng Zhao, NUS, 14-255D UTwon Residence South Tower, Singapore, 138600, Singapore, zhaosheng@u.nus.edu

2 - Disruption Management For Outbound Baggage Handling With Worker Assignment
Christian Ruf, TU Muenchen, Arcisstr. 33, Munich, 80333, Germany, christian.ruf@tum.de

3 - Demand Learning And Agreement Delay In Technology Adoption
Wei Zhang, University of Hong Kong, Pokfulam Road, Hong Kong, China, zhangw.03@gmail.com

■ TA74

Legends B- Omni

Optimization Methodology I

Contributed Session

Chair: Abdulaziz Saud Alkabaa, Ph.D. Candidate, University of Tennesee, 1001 Cain Oak Place, Apt 1001, Knoxville, TN, 37909, United States, aalkabaa@vols.utk.edu

1 - Constraint Programming Models For The Irregular Cutting And Packing Problems
Luiz Henrique Cherri, University of São Paulo, São Carlos, 13566-590, Brazil, luizcherri@gmail.com, Maria Antonia Carravilla, Cristina Ribeiro, Franklina M Toledo

2 - An Iterative Method For Biobjective Mixed Integer Linear Programming Models
Hadi Farhangi, Research Assistant, Missouri University of Science and Technology, 1870 Miner Circle, 236, Engineering Mgmt & Systems Eng, Rolla, MO, 65409, United States, hfrhc@mst.edu, Dincer Konur

3 - Ensuring Scalability And Re-Usability Of Spreadsheet Analytical And Optimization Models
Larry J LeBlanc, Professor, Vanderbilt University, Owen Graduate School of Mgmt, 401 21st Ave South, Nashville, TN, 37203, United States, larry.leblanc@owen.vanderbilt.edu, Thomas A Grossman

4 - A Novel Branching Rule For Branch And Bound Based on Mahalanobis Distance
Abdulaziz Saud Alkabaa, PhD Candidate, University of Tennesee, 1001 Cain Oak Place, Apt 1001, Knoxville, TN, 37909, United States, aalkabaa@vols.utk.edu, Alberto Garcia-Diaz

■ TA75

Legends C- Omni

Behavioral Operations I

Contributed Session

Chair: Nazaré Rego, Escola de Economia e Gestão, Universidade do Minho, Braga, Portugal, nazare@eeg.uminho.pt

1 - Study Of Patient Satisfaction Perception Based On Medical Experience And Health Cognition
Jianjie Zhang, Beijing Institute of Technology, Beijing, China, zhjj_2013@163.com, Jinlin LI, Rong Zhang, Jian Xue

2 - Detecting Market Irrationality Using News Sentiment Transfer Entropy
Anqi Liu, PhD Candidate, Stevens Institute of Technology, Hoboken, NJ, 07030, United States, aliu@stevens.edu, Steve Y Yang

3 - The Dark Side Of The Singularity: Can OR/MS Help?
John D C Little, Institute Professor, Massachusetts Institute of Technology, M.I.T. Sloan School Of Management, Room E62-534, Cambridge, MA, 02142, United States, jlittle@mit.edu

4 - Performance Effects Of Diversity Of Experience In Fluid Teams
Antti Tenhiala, IE Business School, Madrid, Spain, antti.tenhiala@ie.edu, Constantin Alba, Fabrizio Salvador

5 - A System Dynamics Analysis Of Cautious Materials Management In Hospitals
Nazaré Rego, Escola de Economia e Gestão, Universidade do Minho, Braga, Portugal, nazare@eeg.uminho.pt
Nazaré Rego, INESC TEC, Faculdade de Engenharia, Universidade do Porto, Porto, Portugal, nazare@eeg.uminho.pt, João Claro, Jorge Pinho de Sousa

■ TA76

Legends D- Omni

Decision Analysis

Contributed Session

Chair: Jordi Weiss, PhD Student, Unil, Lausanne, 1022, Switzerland, jordi.w@outlook.com

1 - Multi-modal Optimization Of WINTIME As A Game Performance Metric And Rankings Basis With An Application To College Football
Christopher Keller, Assistant Professor, East Carolina University, Department of Marketing & Supply Chain, College of Business, Greenville, NC, 27858-4353, United States, kellerc@ecu.edu

2 - Should I Stay Or Should I Go? The Cognition Of Exploration And Exploitation
S.S. Levine, University of Texas, Dallas, TX, 75080, United States, sslevine@gmail.com, Charlotte Reypens

3 - A POMDP Model For Personalized Depression Monitoring
Jue Gong, Graduate Student, University of Washington, Industrial & Systems Engineering, Box 352650, Seattle, WA, 98195, United States, gongjue@uw.edu, Shan Liu

4 - Remanufacturing Decisions In A Close-loop Supply Chain With Extended Warranty Options
Kunpeng Li, Utah State University, 767 Eagle View Dr., Providence, UT, 84332, United States, kunpeng.li@usu.edu, Yang Li

5 - Using Online Games To Develop Manager Intuition About Demand Randomness
Jordi Weiss, PhD Student, Unil, Lausanne, 1022, Switzerland, jordi.w@outlook.com, Michael Bean, Suzanne de Treville

■ TA77

Legends E- Omni

Opt, Integer Programing I

Contributed Session

Chair: Ed Klotz, IBM, PO Box 4670, Incline Village, NV, 89450, United States, klotz@us.ibm.com

1 - Solving Large Scale Grid-based Location Problems
Noor E Alam, MD, Assistant Professor, Northeastern University, 334 SN, 360 Huntington Avenue, Boston, MA, 02115, United States, mnalam@neu.edu, John Doucette

2 - A Mixed-integer Programming Approach To Optimize Typing Method And Design Of Touchscreen Keyboards On Smartphones
Mohammad Ali Alamdar Yazdi, PhD Student, Auburn University, 354 W Glenn Ave, Auburn, AL, 36830, United States, mza0052@auburn.edu, Ashkan Negahban, Fadel Mounir Megahed

3 - Solution Value Contingent Cuts For Solving Hard Generalized Assignment Problems
Robert M Nauss, Professor, University of Missouri - St Louis, 3816 Boca Pointe Dr., Sarasota, FL, 34238, United States, robert_nauss@umsl.edu, Jeremy William North

4 - Improved Analysis Of Infeasible Mixed-integer Linear And Quadratic Programs
Ed Klotz, IBM, P.O. Box 4670, Incline Village, NV, 89450, United States, klotz@us.ibm.com, John W Chinneck, Andrew Scherr

■ TA78

Legends F- Omni

Opt, Network I

Contributed Session

Chair: Seyed Mohammad Nourbakhsh, Sabre, 3150 Sabre Drive, Southlake, TX, 76092, United States, seyed.nourbakhsh@sabre.com

1 - Enhanced Robust Operational Aircraft Routing
Seyed Mohammad Nourbakhsh, Sabre, 3150 Sabre Dr, Southlake, TX, 76092, United States, seyed.nourbakhsh@sabre.com, Dong Liang, Xiaodong Luo, Xiaoqing Sun, Sergey Shebalov

2 - Decentralized Multi-commodity Network System
Yuhan Wang, University of California, Irvine, 6478 Adobe Circle Rd, Irvine, CA, 92617, United States, wangyuhan1101@gmail.com

3 - Interdiction Learning-based Approaches To Combat Security Threats On Information Systems
Forough Enayaty Ahangar, University of Arkansas, Fayetteville, AR, United States, fenayaty@email.uark.edu, Chase Rainwater

4 - Optimal Linepack Planning Models For Gas Transmission Network
Trung Hieu Tran, Postdoctoral Research Fellow, The University of Warwick, Coventry, CV4 7AL, United Kingdom, t.h.tran@warwick.ac.uk, Simon French, Rhys Ashman, Edward Kent, Mark Hamling, Ben Dickel

■ TA79

Legends G- Omni

Health Care, Modeling VX

Contributed Session

Chair: Sharan Srinivas, PhD Candidate and Research Assistant, The Pennsylvania State University, 310 Leonhard Building, University Park, PA, 16802, United States, sus412@psu.edu

1 - Interaction Between Operational Efficiency And Doctor Incentives In Outpatient Services
Guoming Lai, UT Austin, 1 University Station, B6500, Austin, TX, 78712, United States, laiguoming@gmail.com, Xiaofang Wang

2 - Equitable Nurse Scheduling By Goal Programming
Esra Agca Aktunc, Assistant Professor, Kadir Has University, Kadir Has Caddesi Cibali, Istanbul, 34083, Turkey, esra.agca@khas.edu.tr

3 - An Approximate Solution Approach For Blood Management When There Are Multiple Independent Sources Of Supply
David C Novak, Associate Professor, University of Vermont, 310 Kalkin Hall, 55 Colchester Avenue, Burlington, VT, 05405-0157, United States, dnovak@bsad.uvm.edu, Marilyn T Lucas, S. Karti Puranam

4 - Improve Service Levels And Reduce Labor Cost Using Different Float Nursing Level Strategies Under Staff Absences In Hospitals
Kamil Ciftci, Lehigh University, 200 West Packer Avenue, Bethlehem, PA, 18015, United States, kac208@lehigh.edu

5 - Design Of Multi-stage Multi-provider Hybrid Appointment System For Patient Scheduling Under Uncertainty
Sharan Srinivas, PhD Candidate and Research Assistant, Pennsylvania State University, 310 Leonhard Building, University Park, PA, 16802, United States, sus412@psu.edu, Arunachalam Ravindran

■ TA86

Gibson Board Room-Omni

Marketing V

Contributed Session

Chair: Kamran Siddiqui, Associate Professor, University of Dammam, Building No. 400, University of Dammam, Dammam, Saudi Arabia, KASiddiqui@uod.edu.sa

1 - Investigating The Impact Of Social Influence On The Personalization-privacy Paradox: An Eye Tracking Study
Thomas Frick, PhD Student, Rotterdam School of Management, Burgemeester Oudlaan 50, Rotterdam, 3062PA, Netherlands, frick@rsm.nl, Ting Li, Paul Pavlou

2 - Non-contractual Customer Retention In Multichannel Settings
Chun-Wei Chang, Assistant Professor, Governors State University, 1 University Parkway, University Park, IL, 60484-0975, United States, cchang@govst.edu

3 - An Analysis Of Menus Of Multi-part Tariffs
Ryan Choi, Assistant Professor of Marketing and SCM, Eastern Michigan University, 300 W. Michigan Ave., College of Business, Eastern Michigan University, Ypsilanti, MI, 48197, United States, jchoi20@emich.edu, Taewan Kim

■ TA87

Broadway A-Omni

Panel: Guide to the Analytics Body of Knowledge (ABOK)

Sponsored: Analytics

Sponsored Session

Moderator: Louise Wehrle, INFORMS, 5521 Research Park Drive, Catonsville, MD, 21228, United States, louise.wehrle@informs.org

1 - Guideto The Analytics Body Of Knowledge (ABOK)
Louise Wehrle, INFORMS, 5521 Research Park Drive, Catonsville, MD, 21228, United States, louise.wehrle@informs.org

2 - Panelist
Terry Harrison, Pennsylvanis State University, University Park, PA, 16802, United States, tharrison@psu.edu

3 - Panelist
James Cochran, University of Alabama, Culverhouse College of Commerce & Bus Admin, Tuscaloosa, AL, 35487, United States, jcochran@cba.ua.edu

■ TA88

Broadway B-Omni

Service Science Best Student Paper Competition I

Award Session

Chair: Robin Qiu, Penn State University, 30 E. Swedesford Road, Malvern, PA, 19355, United States, robinqiu@psu.edu

1 - Bike-share Systems: Accessibility And Availability
Ashish Kabra, INSEAD, Boulevard de Constance, Fontainebleau, 77305, France, ashish.kabra@insead.edu, Elena Belavina, Karan Girotra

2 - Queues With Redundancy: Is Waiting In Multiple Lines Fair?
Leela Aarthy Nageswaran, Carnegie Mellon University, 308 GSIA, Tepper School of Business, 5000 Forbes Avenue, Pittsburgh, PA, 15213, United States, leelaaarthy@gmail.com, Alan Scheller-Wolf

3 - Online Decision-making With High-dimensional Covariates
Hamsa Sridhar Bastani, Stanford University, 10 Comstock Circle, Apt 304, Stanford, CA, 94305, United States, hsridhar@stanford.edu, Mohsen Bayati

4 - An Efficient Algorithm For Dynamic Pricing Using A Graphical Representation
Swati Gupta, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA, 02139, United States, swatig@mit.edu, Maxime Cohen, Jeremy Kalas, Georgia Perakis

5 - Evaluating The First-mover's Advantage In Announcing Real-time Delay Information
Siddharth Prakash Singh, PhD Candidate, Tepper School of Business, Carnegie Mellon University, Tepper School of Business, 5000 Fobes Avenue, Pittsburgh, PA, 15213, United States, sps1@andrew.cmu.edu, Mohammad Delasay, Alan Scheller-Wolf

■ TA89

Broadway C-Omni

Advances in Traffic Flow Modeling

Sponsored: TSL, Intelligent Transportation Systems (ITS)

Sponsored Session

Chair: Pitu Mirchandani, Arizona Statew University, P.O. Box 878809, Tempe, AZ, 85287, United States, pitu@asu.edu

1 - A Kalman Filter Approach For Dynamic Calibrationof a Simplified Lower-Order Car Following Model
Kerem Demirtas, Arizona State University, 699 S. Mill Ave. Tempe, Brickyard Engineering 553, Tempe, AZ, 85281, United States, kdemirta@asu.edu, Pitu Mirchandani, Xuesong Zhou

2 - Efficient Supply Calibration Of Large-ScaleTraffic Simulators
Kevin Zhang, Massachusetts Institute of Technology, Cambridge, MA, United States, kzhang81@mit.edu

3 - System Optimal Transit Assignment With Flow-dependent Dwell Times
Alireza Khani, University of Minnesota, 136 Civil Engineering Building, 500 Pillsbury Drive S.E., Minneapolis, MN, 55455, United States, akhani@umn.edu

■ TA90

Broadway D-Omni

Opt, Stochastic II

Contributed Session

Chair: Xiting Gong, Assistant Professor, The Chinese University of Hong Kong, Room 506, William M. W. Mong Engineering Building, Shatin N.T., Hong Kong, xtgong@se.cuhk.edu.hk

1 - Modeling AS/RS Travel In Order Picking Applications
Jingming Liu, Research Assistant, 1986, 920 N Leverett, Apt 824, Fayatteville, AR, 72701, United States, jl011@uark.edu, John A White

2 - Stochastic Quasi-newton Methods For Non-strongly Convex Problems: Convergence And Rate Analysis
Farzad Yousefian, Assistant Professor, Oklahoma State Univeristy, 317D Engineering North, School of Industrial Engineering & Management, Stillwater, OK, 74074, United States, farzad.yousefian@okstate.edu, Angelia Nedich, Uday Shanbhag

3 - Optimization With Reference-based Almost Stochastic Dominance
Jian Hu, Assistant Professor, University of Michigan - Dearborn, 4901 Evergreen Rd., Dept. of IMSE,, Dearborn, MI, 48128, United States, jianhu@umich.edu

4 - Balancing Flexibility And Inventory In Workforce Planning With Learning And Uncertain Demand
Silviya Valeva, University of Iowa, 710 Carriage Hill, Apt 5, Iowa City, IA, 52246, United States, silviya-valeva@uiowa.edu, Barrett Thomas, Mike Hewitt

5 - Approximation Algorithms For Capacitated Perishable Inventory Systems With Positive Lead Times
Xiting Gong, Assistant Professor, The Chinese University of Hong Kong, Room 506, William M. W. Mong Engineering Building, Shatin N.T., Hong Kong, xtgong@se.cuhk.edu.hk, Xiuli Chao, Cong Shi, Chaolin Yang, Huanan Zhang, Sean Zhou

■ TA94

5th Avenue Lobby-MCC

Technology Tutorial: Frontline/ SAS-GAP/EDU

Technology Tutorial

1 - Frontline: AnalyticSolver.com: Data Mining, Simulation And Optimization In Your Web Browser
Daniel Fylstra, Frontline Systems, Inc., Incline Village, NV, Daniel@solver.com

2 - SAS: Analysis Of a Presidential Debate Using SAS Text Analytics
André de Waal, Global Academic Program, Cary, NC, 27513, United States

Tuesday, 10:00AM - 10:50AM

■ Tuesday Plenary

Davidson Ballroom-MCC

Big Data and Big Decisions

Plenary Session

Chair: Shabbir Ahmed, Georgia Tech, shabbir.ahmed@isye.gatech.edu

1 - Big Data And Big Decisions
Suvrajeet Sen, University of Southern California, 3715 McClintock Ave, Los Angeles, CA, 90089, United States, s.sen@usc.edu, Suvrajeet Sen

Tuesday, 11:00AM - 12:30PM

■ TB01

101A-MCC

Clustering Methods in Data Mining

Sponsored: Data Mining

Sponsored Session

Chair: Majeed Simaan, RPI, 231 Congress Street, Troy, NY, 12180, United States, simaam@rpi.edu

1 - Parable: A Parallel Random Partition Based Hierarchical Clustering Algorithm For The Mapreduce Framework
Haimonti Dutta, University at Buffalo, 325P Jacobs Management Center, Buffalo, NY, 14260, United States, haimonti@buffalo.edu

2 - Clustering The Traffic Data Errors Using K-mean Clustering Method
Amin Ariannezhad, Graduate Research Assistant, University of Arizona, 1209 E. 2nd Street, Tucson, AZ, 85719, United States, ariannezhad@email.arizona.edu, Yao-Jan Wu

3 - a New Optimization Model For Supervised Biclustering Problem In Biomedical Dataset Classification
Cem Iyigun, Associate Professor, Middle East Technical University, Inonu Blvd, Endustri Muhendisligi, Ankara, 06800, Turkey, iyigun@ie.metu.edu.tr, Saziye Deniz Oguz Arikan

4 - Large Scale Spectral Partitioning By Simulated Mixing
Shahzad Bhatti, University of Illinois at Urbana Champaign, 104 S Mathews Ave,, Urbana, IL, 61801, United States, bhatti2@illinois.edu, Carolyn Beck, Angelia Nedich

■ TB02

101B-MCC

Methods for Analysis of Next-Generation Sequencing Data

Sponsored: Data Mining

Sponsored Session

Chair: Paul Brooks, Virginia Commonwealth Univ, Richmond, VA, United States, jpbrooks@vcu.edu

1 - Quality Control For Microbiome Experiments
David Edwards, Virginia Commonwealth University, Richmond, VA, United States, dedwards7@vcu.edu, Paul Brooks

2 - Characterizing The Vaginal Microbiome Based On A Large Observational Study
Victoria Pokhilko, Virginia Commonwealth University, Richmond, VA, United States, pokhilkovv@vcu.edu, Paul Brooks, David Edwards

3 - Longitudinal Data Analysis Techniques For Analyzing Microbiome Data
Eugenie Jackson, University of Wyoming, ejacks20@uwyo.edu

4 - Changes In Community State Types Reflect Major Shifts In The Human Microbiome
Paul Brooks, Virginia Commonwealth Univ, jpbrooks@vcu.edu

■ TB03

101C-MCC

Marketing Strategies of Entertainment Products

Invited: Entertainment Analytics

Invited Session

Chair: Yong Liu, University of Arizona, 1130 E Helen Street, Tucson, AZ, 85721, United States, yoliu@eller.arizona.edu

1 - Pre-launch Analysis Of Competitive Dynamics
Natasha Zhang, University of Virginia, ynf8a@comm.virginia.edu, Fang Wu, Vithala R Rao

2 - The Choice And Effects Of Movie Previews In Video-on-Demand Services
Yong Liu, University of Arizona, Tucson, AZ, United States, yoliu@eller.arizona.edu, Zhen Chen, Madhu Viswanathan, Hongtao Pan, Pei Huang

■ TB04

101D-MCC

Developing Country Electricity Systems

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Valerie Thomas, Georgia Tech, 765 Ferst Drive, Atlanta, GA, 30332, United States, vthomas@isye.gatech.edu

1 - Electricity Development In Africa - A Multi-objective Optimization Approach
Amelia Musselman, Georgia Institute of Technology, Atlanta, GA, United States, amusselman@gatech.edu, Dima Nazzal, Valerie Thomas

2 - Can Developing Countries Leapfrog The Centralized Electrification Paradigm?
Todd Levin, Argonne National Laboratory, tlevin@anl.gov

3 - Analysis of a Wind-Hydro Storage System in Kenya
Maureen Murage, Cornell University, Ithaca, NY, Contact: mwm88@cornell.edu

■ TB05

101E-MCC

Optimal Power Flow

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Andy Sun, Georgia Institute of Technology, Atlanta, GA, United States, andy.sun@isye.gatech.edu

1 - Visualizing The Feasible Spaces Of Optimal Power Flow Problems And Their Convex Relaxations
Daniel K Molzahn, Argonne National Laboratory, dan.molzahn@gmail.com

2 - Global Optimization Techniques For The Optimal Power Flow Problem
Burak Kocuk, Carnegie Mellon University, Pittsburgh, PA, United States, bkocuk@andrew.cmu.edu, Santanu S. Dey, Andy Sun

3 - Convex Cuts For Optimal Power Flow
Hassan Hijazi, Australian National University, Canberra, Australia, hassan.hijazi@anu.edu.au, Carleton Coffrin, Pascal Van Hentenryck

4 - Convexification Of The Power System State Estimation Problem
Yu Zhang, University of California, Berkeley, Berkeley, CA, United States, yuzhang49@berkeley.edu, Ramtin Madani, Javad Lavaei

■ TB06

102A-MCC

Solving Hard Optimization Problems in Machine Learning

Sponsored: Data Mining

Sponsored Session

Chair: Yan Xu, SAS Institute, Inc., 100 SAS Campus Drive, Cary, NC, 27513-2414, United States, yan.xu@sas.com

1 - Strategies For Maintaining Sparse Dual Solutions In Large-scale Nonlinear SVM
Alireza Yektamaram, Lehigh University, Bethlehem, PA, sey212@lehigh.edu, Joshua Griffin

2 - A Hessian Free Method With Warm-starts For Deep Learning Problems
Wenwen Zhou, SAS Institute Inc, 100 SAS campus drive, Cary, NC, 27513, United States, Wenwen.Zhou@sas.com, Joshua Griffin

3 - An Accelerated Power Method For The Best Rank-1 Approximation To A Matrix
Jun Liu, SAS Institute Inc., Cary, NC, United States, Jun.Liu@sas.com, Ruiwen Zhang, Yan Xu

4 - Local Search Optimization For Hyper-parameter Tuning
Yan Xu, SAS Institute, Inc., yan.xu@sas.com

■ TB07

102B-MCC

Networks and Data Analytics in Finance

Sponsored: Data Mining

Sponsored Session

Chair: Shawn Mankad, Cornell University, 401H Sage Hall, Ithaca, NY, 14853-6201, United States, spm263@cornell.edu

1 - A System-wide Approach To Measure Connectivity In The Financial Sector
Sumanta Basu, Cornell University, sumbose@berkeley.edu, Sreyoshi Das, George Michailidis, Amiyatosh Purnanandam

2 - The Topology Of Overlapping Portfolio Networks
Andreea Minca, Cornell University, acm299@cornell.edu

3 - Network Concentration And Systemic Losses
Agostino Capponi, Columbia University, ac3827@columbia.edu

4 - The Multilayer Structure Of The Financial System
Dror Kenett, US Office of Financial Research, dror.kenett@ofr.treasury.gov

■ TB08

103A-MCC

Business model innovation

Invited: Business Model Innovation

Invited Session

Chair: Serguei Netessine, INSEAD, Singapore, Singapore, serguei.netessine@insead.edu

1 - Sustainable Distribution Models At The Bottom Of The Pyramid
Bhavani Shanker Uppari, INSEAD Business School, shanker4uu@gmail.com, Ioana Popescu, Serguei Netessine

2 - Pay-as-you-go Business Models In Developing Economies
Jose A Guajardo, University of California-Berkeley, jguajardo@berkeley.edu

3 - Business Model Innovation Feature Extraction And Application To The Lean Startup Framework
Christophe Pennetier, Insead, Christophe.pennetier@insead.edu

4 - Division Of Labor: Managing A Portfolio Of Self-scheduling Workers
Kaitlin Daniels, Assistant Professor, Olin Business School, Washington University in St. Louis, St. Louis, MO, United States, k.daniels@wustl.edu

■ TB09

103B-MCC

Information and Market Structure

Sponsored: Applied Probability

Sponsored Session

Chair: Yash Kanoria, ykanoria@columbia.edu

1 - Designing Information Disclosure Policies
Kostas Bimpikis, Stanford, Stanford, CA, United States, kostasb@stanford.edu, Mohamed Mostagir

2 - Shared Information Sources In Exchanges
Mariann Ollar, University of Pennsylvania, omariann@gmail.com

3 - Stable Matchings Are Easy To Find
Yash Kanoria, Columbia Business School, ykanoria@columbia.edu, Itai Ashlagi, Mark Braverman, Peng Shi

■ TB10

103C-MCC

Natural Gas Markets

Sponsored: Energy, Natural Res & the Environment, Energy II Other

Sponsored Session

Chair: Felipe A Feijoo, Johns Hopkins University, 3400 N Charles St, Baltimore, MD, 21218, United States, ffeijoo@jhu.edu

Co-Chair: Sauleh Ahmad Siddiqui, Johns Hopkins University, 3400 N. Charles St., Latrobe Hall 205, Baltimore, MD, 21218, United States, siddiqui@jhu.edu

1 - Evaluating Risks Of Maritime Transportation And Countries Of Import Source For LNG
Ayumi Sekimori, Chuo University, Tokyo, Japan, a11.eceh@g.chuo-u.ac.jp, Shigeki Toriumi, Ryuta Takashima

2 - A Simulation Model For Comparing The Robustness Of Alternative Liquefied Natural Gas Annual Delivery Programs
Fatih Mutlu, Qatar University, fatihmutlu@qu.edu.qa

3 - The North American Natural Gas Model: Analysis Of Long Term Natural Gas Exhaustion
Sauleh Ahmad Siddiqui, Johns Hopkins University, 3400 N Charles Street, Baltimore, MD, 21218, United States, siddiqui@jhu.edu, Felipe A Feijoo

■ TB11

104A-MCC

Optimization in Network Reliability, Security, and Interdiction

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Yongjia Song, Virginia Commonwealth University, Richmond, VA, United States, ysong3@vcu.edu

1 - Multi-layered Interdependent Network Flow Problem
Negin Enayaty, University of Arkansas, 4207 Bell Engineering Center, Fayetteville, AR, 72701, United States, nenayaty@email.uark.edu, Kelly Sullivan, Sarah G Nurre, Matthew Jd Robbins, Brian J Lunday

2 - Vulnerability Analysis Of Interdependent Networks Via Integer Programming Approaches
Shanshan Hou, The University of Arizona, shanshanh@email.arizona.edu

3 - Stochastic Network Interdiction With Incomplete Preference
Babak Saleck Pay, Virginia Commonwealth University, saleckpayb@mymail.vcu.edu

4 - Approximation Algorithms For Expected-value Maximum Multiple Coverage Problem And Its Variants
Kay Zheng, University of Wisconsin-Madison, kay.zheng@wisc.edu, Laura Albert McLay, James Luedtke

■ TB12

104B-MCC

New Models and Approximation Results in Stochastic and Combinatorial Optimization

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Qie He, University of Minnesota, 111 Church Street SE, Minneapolis, MN, 55455, United States, qhe@umn.edu

1 - Approximation Algorithms For Chance-constrained Problems
Shabbir Ahmed, Georgia Institute of Technology, shabbir.ahmed@isye.gatech.edu, Weijun Xie

2 - Valid Inequalities For Separable Concave Constraints With Indicator Variables
James Luedtke, University of Wisconsin-Madison, Madison, WI, United States, jim.luedtke@wisc.edu, Cong Han Lim, Jeff Linderoth

3 - Strong Reductions For Linear And Semidefinite Programs
Sebastian Pokutta, Georgia Institute of Technology, sebastian.pokutta@isye.gatech.edu, Gabor Braun, Aurko Roy

4 - A Matrix Selection Problem
Zeyang Wu, University of Minnesota, wuxx1164@umn.edu, Qie He

■ TB13

104C-MCC

Recent Advances in Stochastic Integer Programs

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Yongjia Song, Virginia Commonwealth University, Richmond, VA, United States, ysong3@vcu.edu

1 - A Scalable Bounding Approach For Multistage Stochastic Programs
Osman Yalin Ozaltin, North Carolina State University, Raleigh, NC, 27695, United States, oyozalti@ncsu.edu

2 - Adaptive Partition-based Level Decomposition For Stochastic Programs
Yongjia Song, Virginia Commonwealth University, Richmond, VA, ysong3@vcu.edu, Wim van Ackooij, Welington de Oliveira

3 - A Class Of Sequential Discrete Decision Problems With Stochastic Disruptions
Haoxiang Yang, Northwestern University, Evanston, IL, United States, HaoxiangYang2019@u.northwestern.edu, David Morton

■ TB14

104D-MCC

Revenue Mgt, Pricing

Contributed Session

Chair: Chuangyin Dang, Professor, City University of Hong Kong, Dept of Systems Eng & Eng Mgmt, 83 Tat Chee Avenue, Kowloon, Hong Kong, mecdang@cityu.edu.hk

1 - When Is It Optimal To Offer Free Allowance?
Hemant K Bhargava, University of California, Gh-3108, Graduate School of Management, Davis, CA, 95616, United States, hemantb@ucdavis.edu, Manish Gangwar

2 - Dynamic Stochastic Knapsack Problem With Adaptive Interaction
Kyle Maclean, Ivey Business School, London, ON, Canada, k.d.maclean@gmail.com, Fredrik Odegaard

3 - Product Planning With Sensory Customer Requirements: A Plain Yogurt Case
Leman Esra Dolgun, Anadolu University, Iki Eylÿl Kampusu, Endustri Muhendisligi Bolumu, Eskisehir, Turkey, ledolgun@gmail.com, Gulser Koksal, Elcin Kartal Koc

4 - A Reformulation-based Interior-point Path-following Method For Determining Proper Equilibria
Chuangyin Dang, Professor, City University of Hong Kong, Dept of Systems Eng & Eng Mgmt, 83 Tat Chee Avenue, Kowloon, Hong Kong, mecdang@cityu.edu.hk, Yin Chen

■ TB15

104E-MCC

Industry Job Search Panel

Invited: INFORMS Career Center

Invited Session

Moderator: Adam McElhinney, Uptake Technologies, Chicago, IL, United States, adam.m.mcelhinney@gmail.com

1 - Industry Job Search Panel
Adam McElhinney, Uptake Technologies, Chicago, IL, United States, adam.m.mcelhinney@gmail.com

2 - Panelist
Aly Megahed, IBM Research - Almaden, 150 Palm Valley Blvd APT 2066, San Jose, CA, 95123, United States, aly.megahed@us.ibm.com

3 - Panelist
Beverly Wright, Cox Communications Inc, 125 Centennial Drive, Peachtree City, GA, 30269, United States, Beverly.Wright@scheller.gatech.edu

4 - Panelist
Warren Hearnes, Cardlytics, Lilburn, GA, 30047, United States, whearnes@hotmail.com

■ TB16

105A-MCC

Information in Optimization

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Eugene Perevalov, Lehigh University, 1, Bethlehem, PA, 18015, United States, eup2@lehigh.edu

1 - Outpatient Clinic Scheduling With Heterogeneous Patient Preference And Resource Uncertainty
Deepak Agrawal, Pennsylvania State University, University Park, PA, United States, agrawal.deepankur@gmail.com, Guodong Pang, Priyantha Devapriya, Soundar Kumara

2 - Mutual Information Minimization For Evaluating The Causal Impact Of Home Care Services On Patient Discharge Disposition
Alexander Nikolaev, University at Buffalo, anikolae@buffalo.edu, Yuan Zhou, Sabrina Casucci, Lei Sun, Li Lin

3 - Information Acquisition Process: The Quantitative Aspect
Eugene Perevalov, Lehigh University, eup2@lehigh.edu

■ TB17

105B-MCC

Stochastic Sequential Assignment and Planning

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Olga Raskina, Juno Therapeutics, Seattle, WA, United States, olga.raskina@junotherapeutics.com

1 - Stochastic Production Scheduling For Personalized Cancer Therapy Manufacturing
Olga Raskina, Juno Therapeutics, olga.raskina@junotherapeutics.com, Jon Gunther

2 - Dynamic Path Assignment For Robotic Bees Under Collision Control
Felisa Vázquez-Abad, Hunter College, felisav@hunter.cuny.edu

3 - Multidimensional Birth And Death Models For Biochemical Modeling With A View To Personalized Medicine
Alexey Nikolaev, CUNY, Hunter College and Graduate Center, New York, NY, 11232, United States, anikolaev@gradcenter.cuny.edu, Felisa J Vázquez-Abad, Jon Gunther

■ TB18

106A-MCC

Finance, Portfolio II

Contributed Session

Chair: Jonathan Liu, Stony Brook University, 61-40 163rd Street, Flushing, NY, 11365, United States, Jonathan.m.liu@stonybrook.edu

1 - Portfolio Selection With The Probabilistic Ordered Weighted Average
Jose M. Merigo, Full Professor, University of Chile, Av. Diagonal Paraguay 257, Santiago, 8330015, Chile, jmerigo@fen.uchile.cl, Sigifredo Laengle, Gino Loyola

2 - Structural Approach To Portfolio Analysis With Diversification Constraints
Kyungchan Park, PhD Candidate, Yonsei University, Seodaemun-gu Yonsei-ro 50, School of Business (Bld.#212) Rm.#411, Seoul, 03722, Korea, Republic of, hippogras@gmail.com, Hongseon Kim, Seongmoon Kim

3 - Monetary Policy And Real Estate Price Fluctuation: An Analysis On Regional Heterogeneity From China
Charl Chan, Tongji University, Siping Road 1500, Room 1211, Shanghai, 200092, China, charlc@yeah.net, Jiangang Shi

4 - Efficient Allocation Of Tarp Funds To U.s. Banks
Jonathan Liu, Stony Brook University, 61-40 163rd Street, Flushing, NY, 11365, United States, Jonathan.m.liu@stonybrook.edu, Herbert F Lewis, Dmytro Holod

■ TB19

106B-MCC

Computational Methods for Healthcare Applications

Sponsored: Computing

Sponsored Session

Chair: Burak Eksioglu, Clemson University, Clemson University, Clemson, SC, 29634, United States, burak@clemson.edu

1 - Optimal Compromises Between Efficiency And Practicality
Andrew C Trapp, Worcester Polytechnic Institute, atrapp@wpi.edu

2 - Two-stage Stochastic Programming For Vaccine Vial Replenishment
Zahra Azadi, Clemson University, zazadi@clemson.edu, Harsha Gangammnavar, Sandra D Eksioglu

3 - Optimal Quarantining Policy For Ebola Epidemic
Ceyda Yaba, Clemson University, cyaba@clemson.edu, Burak Eksioglu, Amin Khademi

■ TB20

106C-MCC

Robust Multiobjective Optimization for Decision Making under Uncertainty and Conflict

Tutorial Session

Chair: Margaret M Wiecek, Clemson University, Mathematical Sciences Dept, Clemson, SC, 29634-1907, United States, wmalgor@clemson.edu

1 - Robust Multiobjective Optimization For Decision Making Under Uncertainty And Conflict
Margaret M Wiecek, Clemson University, Mathematical Sciences Dept, Clemson, SC, 29634-1907, United States, wmalgor@clemson.edu, Garrett M Dranichak

■ TB21

107A-MCC

Coordinated Care Delivery

Sponsored: Health Applications

Sponsored Session

Chair: Pooyan Kazemian, Harvard Medical School, 25 Shattuck Street, Boston, MA, 02115, United States, pooyan.kazemian@mgh.harvard.edu

Co-Chair: Mark P Van Oyen, University of Michigan, 1221 Beal Ave, Ann Arbor, MI, 48109, United States, vanoyen@umich.edu

1 - The Impact Of Delay Announcements On Hospital Network Coordination
Jing Dong, Northwestern University, jing.dong@northwestern.edu, Elad Yom-Tov

2 - Proactive Inpatient Bed Allocation For Emergency Department Patients Using Predictive Analytics
Seung Yup Lee, Wayne State University, Detroit, MI, United States, seung.lee@wayne.edu, Ratna Babu Chinnam, Evrim Dalkiran

3 - Care Coordination Models Based On Longitudinal Encounter Data
Michael Rossi, Univ of Massachusetts - Amherst, Amherst, MA, United States, mrossi09@gmail.com, Hari Balasubramanian

4 - Coordinating Clinic And Surgery Appointments To Meet Access Service Levels For Elective Surgery
Pooyan Kazemian, Harvard Medical School, Boston, MA, United States, pooyan.kazemian@mgh.harvard.edu, Mustafa Y Sir, Mark P Van Oyen, David Larson, Kalyan Pasupathy

■ TB22

107B-MCC

Data-Driven Healthcare Operations

Sponsored: Health Applications

Sponsored Session

Chair: Hessam Bavafa, University of Wisconsin, 4284C Grainger Hall, 975 University Ave., Madison, WI, 53706, United States, hessam.bavafa@wisc.edu

1 - Risk Aversion In Gatekeeping Systems: An Empirical Study Of Admission Errors In Emergency Departments
Stefan Scholtes, University of Cambridge, Judge Business School, Cambridge, United Kingdom, s.scholtes@jbs.cam.ac.uk, Michael Freeman

2 - Learning From Many: Partner Diversity And Team Familiarity In Fluid Teams
Jonas Jonasson, London Business School, jjonasson@london.edu, Zeynep Aksin Karaesmen, Sarang Deo, Kamalini Ramdas

3 - Patient Portals In Primary Care: Impacts On Visit Frequency And Patient Health
Hessam Bavafa, University of Wisconsin, hessam.bavafa@wisc.edu

4 - Discharge Decision In Emergency Departments: Impact Of Operational Measures And Pay-for-Performance Incentives
Eric Park, University of Hong Kong, Hong Kong, g, ericpark@hku.hk, Yichuan Ding

■ TB23

108-MCC

Models in Medical Decision Making

Sponsored: Health Applications

Sponsored Session

Chair: Zlatana Dobrilova Nenova, University of Pittsburgh, 282 Mervis Hall, Pittsburgh, PA, 15260, United States, zdn3@pitt.edu

1 - Chronic Kidney Disease: A Simulation Study
Zlatana Nenova, University of Pittsburgh, zdn3@pitt.edu, Jerrold H May

2 - Decision-making Models In Kidney Transplantation
Eric Chow, Johns Hopkins University, Baltimore, MD, 21231, United States, echow8@jhmi.edu

3 - Challenges In Markov Modeling Of Cancer Treatment
Jiaru Bai, University of California, Irvine, Irvine, CA, United States, jiarub@uci.edu, Cristina del Campo, L Robin Keller

4 - A Continuous Time Stochastic Model To Optimize Blood Pressure Treatment Decisions
Anthony Bonifonte, Georgia Institute of Technology, ABonifon@gatech.edu, Turgay Ayer, Ben Haaland, Peter Wilson

5 - Designing Effective Vaccine Administration Practices
Gizem Sultan Nemutlu, PhD Candidate, University of Waterloo, Faculty of Engineering University of Waterloo, Carl A. Pollock Hall 3654 200 University Avenue West, Waterloo, ON, N2L 3G1, Canada, gsnemutlu@uwaterloo.ca, Fatih Safa Erenay, Osman Yalin Ozaltin

■ TB24

109-MCC

Analytics in Evidence-Based Practice (EBP)

Sponsored: Health Applications

Sponsored Session

Chair: John Zaleski, Bernoulli Health, 4801 S. Board Street, Suite 120, Philadelphia, PA, 19112, United States, jzaleski@bernoullihealth.com

1 - Clinical Applications Of Data Analytics: A Survey
Amy Harris, Middle Tennessee State University, amy.harris@mtsu.edu

2 - The Use Of Kalman Filtering In Alarm Management Studies
John Zaleski, Bernoulli Enterprise Inc, jzaleski@bernoullihealth.com

3 - The State Of Digital Marketing In The Healthcare Industry
Brian Harris, Lima Consulting, bharris@limaconsulting.com

4 - Consistent Staffing For Long-term Care Through On-call Pools
Vincent W. Slaugh, Assistant Professor, Cornell University, Ithaca, NY, 14850, United States, vslaugh@cornell.edu, Alan Scheller-Wolf, Sridhar R Tayur

■ TB25

110A-MCC

Scheduling and Contracts

Invited: Project Management and Scheduling

Invited Session

Chair: Nicholas G Hall, Ohio State University, Columbus, OH, United States, hall.33@osu.edu

1 - Multitasking Via Alternate And Shared Processing: Algorithms And Complexity
Chung-Lun Li, The Hong Kong Polytechnic University, chung-lun.li@polyu.edu.hk, Nicholas G Hall, Joseph Leung

2 - Scheduling To Minimize Energy Cost
Marc Posner, The Ohio State University, posner.1@osu.edu, Nicholas G Hall

3 - Analysis Of A Procurement Game With Option Contracts
Bo Chen, University of Warwick, Coventry, United Kingdom, b.chen@warwick.ac.uk, Edward James Anderson, Lusheng Shao

4 - Scheduling Crash Tests At Ford With Sequencing Restrictions And Capacity Constraints
Yuhui Shi, University of Michigan, 2212 Glencoe Hills Drive, Apt 11, Ann Arbor, MI, 48108, United States, yuhuishi@umich.edu, Amy Cohn, Marina Alex Epelman

■ TB26

110B-MCC

Combinatorial Auction Pricing

Invited: Auctions

Invited Session

Chair: Benjamin Lubin, Boston University, Boston, MA, United States, blubin@bu.edu

1 - Adaptive-price Combinatorial Auctions
Benjamin Lubin, Boston University, blubin@bu.edu

2 - New Core-Selecting Payment Rules With Better Fairness And Incentive Properties
Benedikt Buenz, Stanford, buenz@stanford.edu

3 - Linear Item Pricing In Combinatorial Auctions
Robert Day, University of Connecticut, Storrs, CT, Bob.Day@business.uconn.edu

■ TB27

201A-MCC

Social Networks and Learning

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Elena Belavina, University of Chicago Booth School of Business, Chicago, IL, United States, elena.belavina@chicagobooth.edu

1 - The Use And Value Of Social Network Information In Selective Selling
Ruslan Momot, INSEAD, Fontainebleau, France, Ruslan.Momot@insead.edu, Elena Belavina, Karan Girotra

2 - The Sharing Newsboys
Ming Hu, Rotman School at University of Toronto, Ming.Hu@Rotman.Utoronto.Ca

3 - Information Externalities In Crowdfunding Projects
Senthil Veeraraghavan, Wharton School, senthilv@wharton.upenn.edu, Jiding Zhang

4 - Managing Service Systems In Presence Of Social Networks
Gad Allon, Wharton School, Philadelphia, PA, 19010, United States, gadallon@wharton.upenn.edu, Dennis Zhang

■ TB29

202A-MCC

Incentives Issues in Sustainable Operations

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Luyi Gui, The Paul Merage School of Business, UC - Irvine, Irvine, CA, United States, luyig@uci.edu

1 - Green Sourcing-the Role Of Premium Sharing And Consulting Services
Xi Chen, University of Michigan - Dearborn, xichenxi@umich.edu

2 - Inducing Prompt Disclosure In The Presence Of Evasive Effort
Shouqiang Wang, The University of Texas at Dallas, Richardson, TX, United States, Shouqiang.Wang@utdallas.edu, Peng Sun, Francis E De Vericourt

3 - The Adoption Of Smart Home Appliance For Energy Shifting
Wenbin Wang, Shanghai University of Finance and Economics, Shanghai, China, wang.wenbin@shufe.edu.cn, Yannan Jin

4 - Incentives For Joint Product And Process Improvement Under Collective Extended Producer Responsibility
Luyi Gui, UC Irvine, luyig@uci.edu

■ TB30

202B-MCC

Predictive Modeling in Healthcare

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Anita L Tucker, Brandeis, 415 South Street, MS 032, Waltham, MA, 02453-2728, United States, atucker@brandeis.edu

Co-Chair: Hummy Song, Harvard University, Soldiers Field, Boston, MA, 02163, United States, hsong@hbs.edu

1 - Accurate Emergency Department Wait Time Prediction
Mohsen Bayati, Stanford University, bayati@stanford.edu, Erjie Ang, Sara Kwasnick, Erica Plambeck, Michael Aratow

2 - Disease Trend Prediction And Resource Allocation for Optimal Containment
Eva Lee, Georgia Tech, evakylee@isye.gatech.edu, Kevin Liu

3 - An Examination Of Early Transfers To The ICU Based On A Physiologic Risk Score
Wenqi Hu, Columbia Business School, New York, NY, United States, wh2274@columbia.edu, Carri Chan, Jose Zubizarreta, Gabriel J. Escobar

4 - Approaches To Manage Demand Variability In An Academic Medical Center
Ryan M. Graue, Sr. Project Manager, Process Improvement, Beth Israel Deaconess Medical Center, Boston, MA, United States, rgraue@bidmc.harvard.edu, Sarah Moravick, Julius Yang

■ TB31

202C-MCC

Topics in Operations and Finance Interface

Sponsored: Manufacturing & Service Oper Mgmt, iFORM

Sponsored Session

Chair: S. Alex Yang, London Business School, Regent's Park, Sussex Pl, London, NW1 4SA, United Kingdom, sayang@london.edu

1 - The Dual Objectives Of Reward-based Crowdfunding
Rachel Rong Chen, University of California-Davis, rachen@ucdavis.edu, Esther Gal-Or, Paolo Roma

2 - Optimal Pricing And Efficiency In Group Buying: Theory And Evidence
Liu Ming, PhD Candidate, Unversity of Maryland, College Park, MD, 20742, United States, liu.ming@rhsmith.umd.edu, Tunay Tunca

3 - Pass-through Contracts Volatile Inputs And Frictions
Danko Turcic, Washington Univ. in St. Louis, turcic@wustl.edu, Panos Kouvelis, Wenhui Zhao

■ TB32

203A-MCC

Revenue Mgt, Pricing III

Contributed Session

Chair: Fouad H Mirzaei, Santa Clara University, Unit 3, 559 Alviso St, Santa Clara, CA, 95050, United States, fhm.phd@ivey.ca

1 - Pricing In Remanufacturing Operations
Akshay Mutha, Pennsylvania State University, Smeal College of Business, 454 Business Building, University Park, PA, 16802, United States, axm536@psu.edu, Saurabh Bansal, V Daniel R Guide

2 - Airline Price-sensitive Demand Forecasting And Optimization
Sylvia Zhu, Sabre Airline Solution, 3150 Sabre Dr., Southlake, TX, 76092, United States, sylvia.zhu@sabre.com

3 - An Analysis Of B2B Negotiations In The Context Of Data Products
Jyotishka Ray, Student, University of Texas-Dallas, Naveen Jindal School of Management, Richardson, TX, 75083, United States, jxr114030@utdallas.edu, Syam Menon, Vijay S Mookerjee

4 - Managing Change Revenue With Presence Of Time Uncertain Customers
Fouad H Mirzaei, Santa Clara University, Unit 3, 559 Alviso St, Santa Clara, CA, 95050, United States, fhm.phd@ivey.ca, Fredrik Odegaard, Xinghao Yan

■ TB33

203B-MCC

Queueing Models I

Contributed Session

Chair: Yao Yu, North Carolina State University, 4335-3 Avent Ferry Road, Raleigh, NC, 27606, United States, yyu15@ncsu.edu

1 - Can The Way Customers Are Assigned To Servers Affect The Unscheduled Within-day Work Breaks In A Service System?
Xu Sun, Columbia University, 363 W 123rd St, Apt 4R, New York, NY, 10027, United States, xs2235@columbia.edu, Ward Whitt

2 - Decoupling Job Size And Server Slowdown In Modeling Redundancy
Kristen Gardner, Carnegie Mellon University, 5000 Forbes Ave, Pittsburgh, PA, 15213, United States, ksgardne@cs.cmu.edu, Mor Harchol-Balter, Alan Scheller-Wolf

3 - Gated Queues With Impatience Customers
George Mytalas, NJIT, Newark,NJ, NJ, United States, mytalas@aueb.gr

4 - Appointment Systems Under Service Level Constraints
Rui Chen, University of Toronto, 105 St George St, Toronto, ON, M5S 3E6, Canada, rui.chen@rotman.utoronto.ca, Rowan Wang, Zhenzhen Yan, Saif Benjaafar, Oualid Jouini

5 - Approximations For Heavily-loaded G/ Gi/n+ Gi Queues
Yao Yu, North Carolina State University, 4335-3 Avent Ferry Road, Raleigh, NC, 27606, United States, yyu15@ncsu.edu, Yunan Liu, Ward Whitt

■ TB34

204-MCC

Scheduling and Workload Assignment in Healthcare

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Retsef Levi, MIT, 100 Main Street, Building E62-562, Cambridge, MA, 02142, United States, retsef@mit.edu

Co-Chair: Cecilia Zenteno, Massachusetts General Hospital, 55 Fruit Street, White 400, Boston, MA, 02114, United States, azentenolangle@mgh.harvard.edu

1 - Integrated Scheduling And Capacity Planning With Considerations For Patients' Length-of-stay
Nan Liu, Columbia University, New York, NY, United States, nl2320@columbia.edu, Van-Anh Truong, Xinshang Wang, Brett Anderson

2 - An Approximate Dynamic Programming Approach To Online Capacity Planning For Rehabilitation Treatment
Ingeborg A. Bikker, University of Twente, Enschede, Netherlands, i.a.bikker@utwente.nl
Ingeborg A. Bikker, Sint Maartenskliniek, Nijmegen, Netherlands, i.a.bikker@utwente.nl, Martijn Mes, Richard J Boucherie

3 - Real-time Assignment Of Inpatients To Care Teams And Beds
Aleida Braaksma, Massachusetts Institute of Technology, 100 Main Street, E62-389, Cambridge, MA, 02142, United States, braaksma@mit.edu, Elizabeth Ugarph, Rhodes Berube, Cecilia Zenteno, Walter O'Donnell, Retsef Levi

■ TB35

205A-MCC

Managing Service Systems with Strategic Servers

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Philipp Afeche, University of Toronto, Rotman School of Management, Toronto, ON, M5S 3E6, Canada, afeche@rotman.utoronto.ca

1 - Product Support Forums: Customers As Partners In The Service Delivery
Stouras Konstantinos, INSEAD, konstantinos.stouras@insead.edu, Serguei Netessine, Karan Girotra

2 - Incentive Based Service System Design: Staffing And Compensation To Trade Off Speed And Quality
Amy Ward, USC Marshall School of Business, Los Angeles, CA, United States, amyward@marshall.usc.edu, Dongyuan Zhan

3 - Managing Workplace Flexibility: The Case Of Agents With Task Preferences
Vasiliki Kostami, London Business School, vkostami@london.edu, Rouba Ibrahim

4 - Pricing In A Two-sided Market With Time-sensitive Customers And Suppliers
Mustafa Akan, Tepper School of Business, Carnegie Mellon University, Pittsburgh, PA, United States, akan@andrew.cmu.edu, Philipp Afeche

■ TB36

205B-MCC

Pricing and Supply Chain Management in Healthcare Industry

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Mehmet Sekip Altug, George Washington University, maltug@gwu.edu

1 - Contracts For Referral Healthcare Services
Fernanda Bravo, Assistant Professor, UCLA, Los Angeles, CA, United States, fernanda.bravo@anderson.ucla.edu, Elodie Adida

2 - Drug Pricing For Competing Pharmaceutical Manufacturers Distributing Through A Common PBM
Nan Yang, University of Miami, Coral Gables, FL, United States, yangn@wustl.edu, Panos Kouvelis, Yixuan Xiao

3 - Policy And Product Launch Implications Of Parallel Imports In Pharmaceutical Industry
Mehmet Altug, George Washington University, maltug@gwu.edu, Ozge Sahin

■ TB37

205C-MCC

Sustainability Issues in Supply Chains II

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Karthik Natarajan, University of Minnesota, University of Minnesota, Edina, MN, Please fill in, United States, knataraj@umn.edu

1 - Optimal Contracts For Recycling And Refurbishment In The Reverse Supply Chain
Aditya Vedantam, State University of New York at Buffalo, Buffalo, NY, United States, adityave@buffalo.edu, Ananth Iyer

2 - Environmental Benefits Of Internet-enabled C2c Surplus Chains
Suvrat Dhanorkar, Pennsylvania State University, 120 Kenley Court, State College, PA, United States, ssd14@psu.edu

3 - The Implications Of Eliminating Grading In Food Supply Chains
Karthik Murali, University of Alabama, kmurali@cba.ua.edu, Isil Alev

4 - Investigating The Impact Of Supply-chain Factors on Counterfeit Parts
Vidya Mani, Pennsylvania State University, State College, PA, United States, vmani@psu.edu, Jayashankar Swaminathan

■ TB38

206A-MCC

Reliability I

Contributed Session

Chair: Hui Wang, Florida State University, Tallahassee, FL, United States, hw11b@my.fsu.edu

1 - Dynamic Reliability Modeling Of Software Errors
John G Wilson, Professor, Ivey School of Business, London, ON, N6G ON1, United States, jwilson@ivey.ca, Dov Te'eni

2 - Condition-Based Maintenance Policies Under The Gamma Degradation Process
David Han, University of Texas at San Antonio, One UTSA Circle, San Antonio, TX, 78249-0632, United States, david.han@utsa.edu

3 - A Combined Repair-replacement Warranty Policy Considering Heterogeneous Usage Rate And Customer Error
Guozhen Xiong, graduate Student, Tsinghua University, Department of Industrial Engineering, Tsinghua University, Beijing, China, Beijing, 100084, China, xgz14@mails.tsinghua.edu.cn

4 - Data Analysis And Experimental Design For Accelerated Life Testing With Heterogeneous Group Effects
Kangwon Seo, PhD Candidate, Arizona State University, 699 S Mill Ave., Tempe, AZ, 85281, United States, kseo7@asu.edu, Rong Pan

■ TB39

207A-MCC

Applied Probability and Simulation I

Sponsored: Applied Probability

Sponsored Session

Chair: Henry Lam, University of Michigan, 500 S. State Street, Ann Arbor, MI, 48109, United States, khlam@umich.edu

1 - Rare Event Estimation For Gaussian Random Vectors
Ton Dieker, Columbia University, dieker@columbia.edu, Richard Gabriel Birge

2 - On Adaptive Recursion For Integral Optimization
Raghu Pasupathy, Purdue University, pasupath@purdue.edu

3 - Three Asymptotic Regimes For Ranking And Selection With General Sample Distribution
Yi Zhu, Northwestern University, yizhu2020@u.northwestern.edu

■ TB40

207B-MCC

Markov Decision Processes: Theory

Sponsored: Applied Probability

Sponsored Session

Chair: Matthew J. Sobel, Emeritus Professor, Case Western Reserve University, 10900 Euclid Ave., Cleveland, OH, 44106-7235, United States, matthew.sobel@case.edu

Co-Chair: Jie Ning, Case Western Reserve University, 10900 Euclid Ave., Cleveland, OH, 44106-7235, United States, jie.ning@case.edu

1 - Atomless Discounted Markov Decision Processes With Multiple Criteria
Eugene A Feinberg, Stony Brook University, eugene.feinberg@stonybrook.edu, Aleksey Piunovskiy

2 - Optimal Policies In Decentralized Stochastic Control: Existence And Approximations
Serdar Yuksel, Queen's University, Kingston, ON, K7L 3N6, Canada, yuksel@queensu.ca

3 - Easy Affine Mdps: Theory
Matthew J. Sobel, Case Western Reserve University, matthew.sobel@case.edu, Jie Ning

■ TB41

207C-MCC

Quantitative Methods in Finance XII

Sponsored: Financial Services

Sponsored Session

Chair: Woo Chang Kim, Associate Professor, KAIST, KAIST 291, Daehak-ro, Yuseong-gu, Daejeon, 34141, Korea, Republic of, wkim@kaist.ac.kr

Co-Chair: Changle Lin, Princeton University, Jersey City, NJ, United States, changlel@princeton.edu

1 - Robo-advisor And Personalized Asset & Liability system
Changle Lin, Merrill Lynch Wealth Management, changlelin1@gmail.com

2 - Robo-advisor: Goal-based Investing And Gamification
Paolo Sironi, IBM, paolo.sironi@de.ibm.com

3 - Robo-advisor: Application Of Advanced Portfolio Technology
Woo Chang Kim, KAIST, woochang.kim@gmail.com

4 - Evidence-based Improvements To Investor Behavior: Betterment's Approach
Daniel Egan, Betterment, 61 W. 23rd Street, 4th Floor, New York, NY, 10010, United States, dan@betterment.com

■ TB42

207D-MCC

Learning, Estimation, and Experimentation in RM and Pricing

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Stefanus Jasin, University of Michigan, Ann Arbor, MI, United States, sjasin@umich.edu

1 - Demand Forecasting In The Presence Of Unobserved Lost Sales
Shivaram Subramanian, IBM, subshiva@us.ibm.com, Pavithra Harsha

2 - Learning Valuation Distributions From Bundle Sales
Will Ma, ORC, MIT, willma353@gmail.com, David Simchi-Levi

3 - Less Can Be More In Price Experimentation
Georgia Perakis, MIT, georgiap@mit.edu, Divya Singhvi

4 - A Nonparametric Self-adjusting Control For Multi-product Pricing With Limited Resources
Qi (George) Chen, Ross School of Business, University of Michigan, Ann Arbor, MI, United States, georgeqc@umich.edu, Stefanus Jasin, Izak Duenyas

■ TB43

208A-MCC

Panel: New Frontiers in Decision Analysis Practice and Theory

Sponsored: Decision Analysis

Sponsored Session

Moderator: Franklyn Koch, Koch Decision Consulting, Eugene, OR, United States, kochfg@gmail.com

Moderator: Melissa A. Kenney, University of Maryland, College Park, MD, United States, kenney@umd.edu

1 - New Frontiers In Decision Analysis Practice And Theory
Franklyn Koch, Koch Decision Consulting, kochfg@gmail.com

■ TB44

208B-MCC

Graphical Methods

Sponsored: Decision Analysis

Sponsored Session

Chair: Jeffrey M Keisler, University of Massachusetts - Boston, 100 Morrissey Boulevard, Boston, MA, 02125, United States, jeff.keisler@umb.edu

1 - Decision Circuits For Decision Analysis
Debarun Bhattacharjya, IBM T. J. Watson Research Center, Yorktown Heights, NY, United States, debarunb@us.ibm.com, Ross D Shachter

2 - On Computing Probabilities Of Dismissal Of 10b-5 Security Class-action Cases
Sumanta Singha, PhD Student, University of Kansas, 1654 Naismith Dr, Lawrence, KS, 66045, United States, sumanta.singha@ku.edu, Steve Hillmer, Prakash P Shenoy

3 - Observing Reporting And Deciding In Networks
Jeffrey Keisler, University of Massachusetts Boston, jeff.keisler@umb.edu, H Jerome Keisler

■ TB45

209A-MCC

Parallel Simulation Optimization

Sponsored: Simulation

Sponsored Session

Chair: Jie Xu, George Mason University, 4400 University Dr., MSN 4A6, Fairfax, VA, 22030, United States, jxu13@gmu.edu

1 - Implementing A Ranking And Selection Procedure In The Cloud
Sijia Ma, Cornell University, Ithaca, NY, United States, sm2462@cornell.edu, Shane Henderson

2 - Speeding Up Sequential Selection-of-the-best Procedures For Large-scale Problems
Jeff Hong, City University of Hong Kong, jeffhong@cityu.edu.hk, Jun Luo, Ying Zhong

3 - Multi-objective Optimization Via Simulation On Integer-ordered Spaces
Kalyani S Nagaraj, Purdue University, West Lafayette, IN, United States, kalyanin@purdue.edu, Kyle Cooper, Susan R Hunter

4 - Parallel Empirical Stochastic Branch And Bound
Jie Xu, George Mason University, 4400 University Dr., MS4A6, Fairfax, VA, 22030, United States, jxu13@gmu.edu, Scott L. Rosen, Peter Salemi, Sajjad Taghiyeh

■ TB46

209B-MCC

Choice Modeling and Assortment Optimization

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Huseyin Topaloglu, Cornell Tech, 111 8th Avenue, Suite 302, Ithaca, New York, NY, 10011, United States, ht88@cornell.edu

1 - Assortment Optimization Under General Choice
Srikanth Jagabathula, NYU Stern School of Business, sjagabat@stern.nyu.edu

2 - Robust Assortment Optimization Under The Markov Chain Model
Antoine Desir, Columbia University, ad2918@columbia.edu, Vineet Goyal, Bo Jiang, Huseyin Topaloglu, Tian Xie, Jiawei Zhang

3 - On The Structure Of Cardinality-constrained Assortment Optimization Problems
Louis L Chen, Massachusetts Institute of Technology-ORC, llchen@mit.edu, David Simchi-Levi

4 - Competitive Pricing Under The Markov Chain Choice Model
Huseyin Topaloglu, Cornell Tech, New York, NY, 10011, United States, ht88@cornell.edu, James Dong

■ TB47

209C-MCC

Pricing, Promotions and Bundling for Revenue Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Pelin Pekgun, University of South Carolina, 1014 Greene Street, Columbia, SC, 29208, United States, pelin.pekgun@moore.sc.edu

1 - A Pricing Model To Optimize The Promotions Period In Airlines
Daniel Felipe Otero Leon, Lecturer, Universidad de los Andes, Bogota, 1111, Colombia, df.otero128@uniandes.edu.co, Cristina Lopez, Mariana Escallon, Raha Akhavan-Tabatabaei

2 - Dynamic Pricing For Hotel Rooms When Customers Request Multiple-day Stays
Yun Fong Lim, Singapore Management University, yflim@smu.edu.sg, Selvaprabu Nadarajah, Qing Ding

3 - On The Benefit (or Cost) Of Large-scale Bundling
Tarek Abdallah, New York University, tabdalla@stern.nyu.edu

4 - How Perceptions Of User Reviews Impact Price Competition
Pelin Pekgun, University of South Carolina, Columbia, SC, 29208, United States, Pelin.Pekgun@moore.sc.edu, Michael Galbreth, Bikram Ghosh

■ TB48

210-MCC

Optimization and Statistical Learning

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Dimitri Papadimitriou, Alcatel-Lucent, Bell-Telephonelaan, Brussels, BC, 00000, Belgium, dimitri.papadimitriou@alcatel-lucent.com

Co-Chair: Dimitri Papadimitriou, Bell Labs, Copernicuslaan 50, Antwerp, 2018, Belgium, dimitri.papadimitriou@nokia.com

1 - Statistical Learning Approaches For Stochastic Optimization (SLASO)
Suvrajeet Sen, USC, s.sen@usc.edu, Yunxiao Deng

2 - Time Series Applications Of SLASO
Yunxiao Deng, USC, yunxiaod@usc.edu

3 - Bayes-optimal Entropy Minimization For Active Learning In Conjoint Analysis
Stephen N Pallone, Cornell University, 290 Rhodes Hall, Cornell University, Ithaca, NY, 14853, United States, snp32@cornell.edu, Peter Frazier, Shane Henderson

4 - Learning Uncertainty Sets And Automation Of Robust Formulation
Dimitri Papadimitriou, Bell Labs, dimitri.papadimitriou@nokia.com

■ TB49

211-MCC

Educational Research in OR/MS

Sponsored: Education (INFORMED)

Sponsored Session

Chair: Susan Wright Palocsay, James Madison University, Harrisonburg, VA, United States, palocssw@jmu.edu

1 - Batching In Higher Education
Jan Riezebos, University of Groningen, Nettelbosje 2, P.O. Box 800, Groningen, 9700 AV, Netherlands, j.riezebos@rug.nl, Iris F Vis

2 - Effective Teaching For Mastery Of Boolean Constraints
Scott Stevens, Professor, CIS & Business Analytics, James Madison University, James Madison University, MSC 202, Harrisonburg, VA, 22807, United States, stevensp@jmu.edu, Susan Wright Palocsay

3 - A Review Of The Literature For Operations Management Education
Susan Wright Palocsay, James Madison University, Harrisonburg, VA, United States, palocssw@jmu.edu, Michael Busing

■ TB50

212-MCC

Panel: Topics for PhD Students

Sponsored: Minority Issues

Sponsored Session

Moderator: Maria Esther Mayorga, North Carolina State University, 111 Lampe Drive, Campus Box 7906, Raleigh, NC, 27695, United States, memayorg@ncsu.edu

1 - Topics For Phd Students
Maria Esther Mayorga, North Carolina State University, memayorg@ncsu.edu

2 - Panelist
Maria Esther Mayorga, North Carolina State University, memayorg@ncsu.edu

3 - Panelist
Karen T Hicklin, University of North Carolina at Chapel Hill, Chapel Hill, NC, 27599, United States, khicklin@email.unc.edu

■ TB51

213-MCC

Matchings and Assignments with Societal Impact

Sponsored: Public Sector OR

Sponsored Session

Chair: Tina Rezvanian, Northeastern University, 360 Huntington Avenue, Boston, MA, 02115, United States, rezvanian.t@husky.neu.edu

Co-Chair: Ozlem Ergun, Northeastern University, 453 Meserve, 360 Huntington Avenue, 360 Huntington Avenue, MA, 02115, United States, o.ergun@neu.edu

1 - Two-sided Stable Matching In Markets With Multiple Periods
Tina Rezvanian, Northeastern University, Boston, MA, United States, rezvanian.t@husky.neu.edu, Ozlem Ergun

2 - Human Interaction With Recommendation Systems: On Bias And Exploration
Sven Schmit, Stanford University, Stanford, CA, United States, schmit@stanford.edu, Ramesh Johari, Vijay Kamble, Carlos Riquelme

3 - Uncertainty In Dynamic Matching With Application To Organ Exchange
John Dickerson, Carnegie Mellon University, Pittsburgh, PA, United States, dickerson@cs.cmu.edu
John Dickerson, University of Maryland, College Park, MD, United States, dickerson@cs.cmu.edu, Tuomas W Sandholm

4 - Assortment Planning In School Choice
Peng Shi, Massachusetts Institute of Technology (MIT), Cambridge, MA, pengshi@mit.edu

■ TB52

214-MCC

Urban Transportation and Logistics in Public Sector OR I

Sponsored: Public Sector OR

Sponsored Session

Chair: Sunghoon Chung, Binghamton University, The State University of New York, P.O. Box 6000, Binghamton, NY, 13902, United States, schung@binghamton.edu

1 - A Vehicle Routing Problem For CNG Trucks With Fueling Stations
Yihuan (Ethan) Shao, University of Southern California, Los Angeles, CA, United States, yihuansh@usc.edu, Maged M Dessouky

2 - The Truck Line Vehicle Routing Problem Of A Hub-and-spoke Structure Based Parcel Carrier
Jaesang Park, Postech, Pohang, Korea, Republic of, rose7@postech.ac.kr, Byung-In Kim, Ho-mahn Kwak, Hyunjoon Kim, Jeongbin Kim

3 - Dynamic Bus Routing For Evacuation
Xiaohang Zhu, University at Buffalo, 2514 Deer Lakes Dr, Amherst, NY, 14228, United States, xzhu8@buffalo.edu, Jee Eun Kang

■ TB53

Music Row 1- Omni

Innovations and Value Chain Management

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Chair: Ying-Ju Chen, HKUST Business School, Dept. of ISOM, HKUST, Clear Water Bay, Kowloon, Hong Kong, 999077, Hong Kong, imchen@ust.hk

Co-Chair: Shihong Xiao, HKUST, Dept. of IELM, HKUST, Clear Water Bay, Kowloon, Hong Kong, 999077, Hong Kong, sxiaoab@connect.ust.hk

1 - Impact Of Forecasting Accuracy On Sharing Forecasts In Supply Chains
Hyoduk Shin, University of California - San Diego, hdshin@ucsd.edu

2 - Supply Chain Contracts With Boundedly Rational Retailers
Behrooz Pourghannad, University of Minnesota, Minneapolis, MN, United States, behrooz.pourghannad@gmail.com, Guangwen Kong, Tony H Cui

3 - Milking The Quality Test: Improving The Milk Supply Chain Under Competing Collection Intermediaries
Liying Mu, University of Delaware, muliying@udel.edu, Milind Dawande, Xianjun Geng, Vijay Mookerjee

4 - 3d Printing Vs. Traditional Flexible Technology: Implication On Manufacturing Strategies
Duo Shi, Washington University in Saint Louis, KH 401, Olin Business School, 1 Brookings Drive, St. Louis, MO, 63130, United States, dshi@wustl.edu, Lingxiu Dong, Fuqiang Zhang

■ TB54

Music Row 2- Omni

Service Science in Emerging Economy

Sponsored: Service Science

Sponsored Session

Chair: Qiang Qiang, Penn State University, 30 E. Swedesford Road, Malvern, PA, 19355, United States, qzq10@psu.edu

1 - Big Data Based Modeling And Optimizing Of The First Aid Services In Shanghai Songjiang District
Wei Yang, Tongji University, Shanghai, China, yangvmail@163.com, Qiang Su

2 - The Impact Of Linguistic Persuasiveness On The Success Rate Of Crowdfunding Services: Evidence From Kickstarter
Hongwei Wang, Tongji University, Shanghai, China, hwwang@tongji.edu.cn, Wei Wang, Wei Chen, Kevin Zhu

■ TB55

Music Row 3- Omni

Inventory Management IV

Contributed Session

Chair: Apurva Jain, University of Washington, Foster School of Business, Box 353226, Seattle, WA, 98195-3226, United States, apurva@u.washington.edu

1 - Using Simulations To Evaluate And Improve Inventory Policies
Jagtej S Bewli, Director, Product Management, WalmartLabs, 850 Cherry Avenue, San Bruno, CA, 94066, United States, jbewli@walmartlabs.com

2 - Cooperation In Spare Parts Systems With Expedited Deliveries
Ulas Ozen, Ozyegin University, Cekmekoy Campus, Nisantepe District, Orman Street, Istanbul, 34794, Turkey, ulas.ozen@ozyegin.edu.tr

3 - Multi Period Production Planning With Uniformly Perishable Inventories
Mehdi Karimi-Nasab, PostDoc, Institute for Operations Research, University of Hamburg, Von-Melle-Park 5, Hamburg, 20146, Germany, mehdi.karimi-nasab@uni-hamburg.de

4 - Operational Responses To A Demand Surge
Apurva Jain, University of Washington, Foster School of Business, Box 353226, Seattle, WA, 98195-3226, United States, apurva@u.washington.edu

■ TB56

Music Row 4- Omni

Innovation through IT Management

Sponsored: EBusiness

Sponsored Session

Chair: Rajiv Mukherjee, Southern Methodist University, Frisco, TX, United States, rajiv.mukherjee@gmail.com

1 - Effect Of Consumption Flexibility On Usage
Sreekumar Bhaskaran, Southern Methodist University, sbhaskar@smu.edu, Rajiv Mukherjee, Sanjiv Erat

2 - How Strategic Crowdfunding Design Decisions And Financial Slack Affect Funding And Post-funding Outcomes
Daniel Zantedeschi, The Ohio State University, Columbus, OH, United States, zantedeschi.1@osu.edu, Onochie Fan-Osuala, Wolfgang Jank

3 - "Co-opetition" In The Over-The-Top (OTT) Services
Antino Kim, Indiana University, Bloomington, IN, United States, antino@iu.edu, Debabrata Dey, Atanu Lahiri

4 - Product Support And Uncertainty: Effect On Two Competing Online Retailers
Vashkar Ghosh, University of Florida, 355A Stuzin Hall, Department of ISOM, Gainesville, FL, 32611, United States, vashkar.ghosh@warrington.ufl.edu, Kyung Sung Jung, Young Kwark, Janice Carrrillo

■ TB57

Music Row 5- Omni

Managing Decentralized Processes

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Enno Siemsen, University of Wisconsin, Madison, WI, United States, esiemsen@wisc.edu

1 - Production Process Moves
Pettis Kent, University of Minnesota, kentx143@umn.edu

2 - Ideation Execution Transition In Product Development
Evgeny Kagan, University of Michigan, ekagan@umich.edu, Stephen Leider, William Lovejoy

3 - An Experimental Investigation Of Transshipment And Local Decision Making
Shan Li, Baruch College, City University of New York, New York, NY, 10601, United States, shan.li@baruch.cuny.edu, Kay-Yut Chen

4 - Inventory Sharing Behavior
Enno Siemsen, University of Wisconsin - Madison, Madison, WI, esiemsen@wisc.edu, Hui Zhao, Liang Xu

■ TB58

Music Row 6- Omni

Energy X

Contributed Session

Chair: Farnaz Ghazi Nezami, Assistant Professor, Kettering University, 5336 Timberwood Point Drive, Flint, MI, 48532, United States, fghazinezami@kettering.edu

1 - Integrated Generated Expansion Planning By Considering Wind Intermittency
Ahmet Akgun, Wichita State University, 3540 N Inwood Street, Apt # 11305, Wichita, KS, 67226, United States, ahmetie@yahoo.com

2 - Energy-dependent Scheduling Of Non-identical Parallel Machines
Farnaz Ghazi Nezami, Assistant Professor, Kettering University, 5336 Timberwood Point Drive, Flint, MI, 48532, United States, fghazinezami@kettering.edu, Mojtaba Heydar

■ TB59

Cumberland 1- Omni

Innovations in Transporation Network Pricing

Sponsored: Transportation Science & Logistics

Sponsored Session

Chair: Roger Lloret-Batlle, University of California, CA, United States, rlloretb@uci.edu

1 - A Vulnerable Options-based Reservation Scheme For Highway Facilities Subject To Degradation: Reservation Options On Truck-only Lanes
Choungryeol Lee, Perdue University, West Lafayette, IN, United States, lee1210@purdue.edu, Srinivas Peeta

2 - Efficient Envy-free Pricing In Transportation Systems
Roger Lloret-Batlle, University of California, CA, United States, rlloretb@uci.edu, R Jayakrishnan

3 - Dynamic Pricing And Reservation For Intelligent Urban Parking Management
Chao Lei, University of Illinois at Urbana - Champaign, 2063 S. Orchard St. Apt A, Urbana, IL, 61801, United States, lei8785@gmail.com, Yanfeng Ouyang

■ TB60

Cumberland 2- Omni

Moving People and Goods More Efficiently in Traffic Networks: Models and Algorithms

Sponsored: TSL, Urban Transportation

Sponsored Session

Chair: Trilce Marie Encarnacion, Rensselaer Polytechnic Institute, Rensselaer Polytechnic Institute, Troy, NY, 00000, United States, encart@rpi.edu

1 - Design Of Multi-period Tradable Credit Scheme For Vehicular Emission Reduction
Mohammad Miralinaghi, Purdue University, smiralin@purdue.edu, Srinivas Peeta

2 - Fast Computation Techniques For The Stochastic On-time Arrival Problem
Samitha Samaranayake, Cornell University, samitha@cornell.edu

3 - Urban Freight Microsimulation: Evaluating Freight Parking Behavior In New York City
Trilce Marie Encarnacion, Rensselaer Polytechnic Institute, encart@rpi.edu, Jose Holguin-Veras, Johanna Amaya

4 - Dynamic Pricing In One-way Car Sharing Networks: A Distributional Fluid Approximation Approach
Ling Zhang, North Carolina State University, Raleigh, NC, United States, lzhang42@ncsu.edu, Yunan Liu, Yang Liu, Shuangchi He

■ TB61

Cumberland 3- Omni

Online Delivery Routing

Sponsored: TSL, Freight Transportation & Logistics

Sponsored Session

Chair: Jan Fabian Ehmke, Freie Universität Berlin, Garystr. 21, Berlin, 14195, Germany, janfabian.ehmke@fu-berlin.de

1 - Taking Advantage Of In-store Customers To Deliver Online Orders
Iman Dayarian, Georgia Institute of Technology, 765 Ferst Dr NW, Atlanta, GA, 30318, United States, iman.dayarian@isye.gatech.edu, Martin W P Savelsbergh

2 - An Online Cost Allocation Model For Horizontal Supply Chains
Han Zou, University of Southern California, Los Angeles, CA, United States, hanzou@usc.edu, Maged M Dessouky, John Gunnar Carlsson

3 - A Branch-and-price Approach For The Vehicle Routing Problem With Roaming Delivery Locations
Gizem Ozbaygin, Bilkent University, Ankara, Turkey, ozbaygin@bilkent.edu.tr, Martin W P Savelsbergh, Hande Yaman, Oya Ekin Karasan

4 - E-fulfillment For Attended Last-mile Delivery Services In Metropolitan Areas
Jan Fabian Ehmke, Freie Universität Berlin, Garystr. 21, Berlin, 14195, Germany, janfabian.ehmke@fu-berlin.de, Catherine Cleophas, Charlotte Köhler, Magdalena Lang

■ TB62

Cumberland 4- Omni

Data Mining and Optimization for Improved Airport Operations

Sponsored: Aviation Applications

Sponsored Session

Chair: Heng Chen, University of Nebraska–Lincoln, Supply Chain Management and Analytics, Lincoln, NE, 68588, United States, heng@unl.edu

1 - Airport Capacity Estimation For Decision Support
Sreeta Gorripaty, University of California Berkeley, gorripaty@berkeley.edu, Mark M Hansen

2 - Parameter Fixing Method For Improving The Rate Of Convergence Of A Hybrid Particle Swarm Optimization
Giuseppe Sirigu, Georgia Institute of Technology, giuseppe.sirigu@aerospace.gatech.edu

3 - Machine Learning Techniques For Airport Passenger Flow Management
Xiaojia Guo, University College London, London, United Kingdom, x.guo.11@ucl.ac.uk, Yael S Grushka-Cockayne, Casey Lichtendahl, Frederick Tasker, Neville Coss, Tom Garside, Bert De Reyck

■ TB63

Cumberland 5- Omni

Deterministic Network Design

Sponsored: TSL, Freight Transportation & Logistics

Sponsored Session

Chair: Mike Hewitt, Loyola University Chicago, NA, Chicago, IL, 60611, United States, mhewitt3@luc.edu

1 - Barge Scheduled Service Network Design With Resource And Revenue Management
Teodor Gabriel Crainic, Universite du Quebec a Montreal, TeodorGabriel.Crainic@cirrelt.net, Ioana Bilegan, Yunfei Wang

2 - The Value Of Flexibility In Long-haul Transportation Network Design
Mike Hewitt, Loyola University Chicago, mhewitt3@luc.edu, Natashia Boland, Martin W P Savelsbergh

3 - Decomposition Methods For Multi-period Network Design Problems
Ioannis Fragkos, Rotterdam School of Management, fragkos@rsm.nl, Jean-Francois Cordeau, Raf Jans

4 - New Lagrangian Relaxation For Multicommodity Capacitated Network Design
Mohammad Rahim Akhavan, Universite de Montreal (DIRO), Monrteal, QC, Canada, Akhavanm@iro.umontreal.ca, Teodor Gabriel Crainic, Bernard Gendron

■ TB64

Cumberland 6- Omni

Multi-objective Optimization: Algorithms and Applications

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Lakmali Weerasena, University of Tennessee, College Dr, Chattanooga, TN, 31705, United States, lweeras@g.clemson.edu

1 - New Multicriteria Models For Robust Data Classification In Supervised Learning
Alexander Engau, University of Colorado Denver, alexander.engau@ucdenver.edu

2 - Utility Indifference Pricing Under Incomplete Preferences Via Vector Optimization
Firdevs Ulus, Bilkent University, firdevs@bilkent.edu.tr

3 - Local Branching Algorithm For Approximating The Pareto Set Of The Multiobjective Set Covering Problem
Lakmali Weerasena, University of Tennessee at Chattanooga, Chattanooga, TN, United States, lweeras@g.clemson.edu

4 - Interactive Weight Region-based Approach For Multiobjective Optimization Problems
Mehmet Basdere, Northwestern University, Evanston, IL, United States, mehmetbasdere2016@u.northwestern.edu, Sanjay Mehrotra, Karen Smilowitz

■ TB65

Mockingbird 1- Omni

Digital Business Models and Strategies in the Era of Analytics

Sponsored: Information Systems

Sponsored Session

Chair: Ling Xue, Georgia State University, Georgia State University, Atlanta, GA, 30302, United States, lxue5@gsu.edu

1 - Relationships Between Online Daily Deal Promotions And Local Retailers' Online Reputation
Gang Wang, University of Delaware, gangw@udel.edu

2 - Free Riders Versus Social Capital: An Empirical Analysis Of An Exogenous Shock On Online Reviews
Zaiyan Wei, Purdue University, West Lafayette, IN, United States, zaiyan@purdue.edu, Paulo B Goes, Yang Wang, Dajun Daniel Zeng

3 - Enterprise Systems And Merger And Acquisition Activities
Chengxin Cao, University of Minnesota, 321 Nineteenth Avenue South, Minneapolis, MN, United States, caoxx161@umn.edu, Gautam Ray, Alok Gupta, Mani Subramani

4 - The Influences And Biases Of Social Network In Referral Hiring: Empirical Study
Kyungsun Rhee, University of Washington, 4725 24th Avenue NE, # 405, Seattle, WA, 98105, United States, ksr22@uw.edu, Elina Hwang, Param Vir Singh

■ TB66

Mockingbird 2- Omni

Data Analytics for Quality and Reliability Assurance

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Mingyang Li, Tampa, FL, United States, mingyangli@usf.edu

1 - A Data-driven Heterogeneity Quantification Approach For Chloride Ingress Profiles Of Aging Marine Infrastructures
Suiyao Chen, University of South Florida, 4202 E. Fowler Avenue ENB302, Tampa, FL, 33620, United States, suiyaochen@mail.usf.edu, Lu Lu, Yisha Xiang, Alberto A Sagüés, Mingyang Li

2 - Reliability Meets Big Data: Opportunities And Challenges
Yili Hong, Virginia Tech, yilihong@vt.edu

3 - Heterogeneous Recurrence Representation And Quantification Of Dynamic Transitions In Continuous Nonlinear Processes
Hui Yang, Penn State, huy25@engr.psu.edu

4 - Latent Dirichlet Allocation (lda) Based Analytic Framework For Topic Modeling Of Cfpb Consumer Complaints
Kaveh Bastani, Recovery Decision Science, Cincinnati, OH, United States, kaveh@vt.edu, Hamed Namavari, Jeffrey Shaffer

■ TB67

Mockingbird 3- Omni

IIE Transactions Invited Session

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Jianjun Shi, Georgia Institute of Technology, Atlanta, GA, United States, jianjun.shi@isye.gatech.edu

1 - A Random Effect Autologistic Regression Model With Application To The Characterization Of Multiple Microstructure Samples
Qingyu Yang, Wayne State University, qyang@wayne.edu

2 - A Bayesian Variable Selection Method For Joint Diagnosis Of Manufacturing Process And Sensor Faults
Yong Chen, University of Iowa, Iowa City, IA, 52242, United States, yong-chen@uiowa.edu

3 - A Preposterior Analysis To Predict Identifiability In The Experimental Calibration Of Computer Models
Daniel Apley, Northwestern University, apley@northwestern.edu

■ TB68

Mockingbird 4- Omni

Tutorial: Wind Energy Applications

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Yu Ding, Mike and Sugar Barnes Professo, Texas A&M University, MS 3131, ETB 4016, College Station, TX, 77843, United States, yuding@tamu.edu

Co-Chair: Eunshin Byon, University of Michigan, 1205 Beal Avenue, College Station, MI, 48109, United States, ebyon@umich.edu

1 - Tutorial For Wind Energy Data Analytics
Yu Ding, Texas A&M University, College Station, TX, 77843, United States, yuding@tamu.edu, Eunshin Byon

■ TB69

Old Hickory- Omni

Decision Support Systems I

Contributed Session

Chair: Manini Madireddy, Senior Operations Research, Sabre, 3150 Sabre Dr, Southlake, TX, 76092, United States, Manini.Madireddy@sabre.com

1 - Considering Passenger Recovery In Airline Operations Recovery
Jia Kang, Senior Operations Research, Sabre Airline Solutions, 3150 Sabre Drive, Southlake, TX, 76092, United States, jia.kang@sabre.com, Dinakar Gade, Sureshan Karichery

2 - Fuzzy Association Rule Mining Framework For Product Selection In E-Commerce
Shekhar Shukla, Doctoral Candidate, Indian Institute of Management Lucknow, FPM H-2 Room No. 41, IIM Campus Prabandh Nagar Off Sitapur Road, Lucknow, 226013, India, shekhar.shukla@iiml.ac.in, Ashwani Kumar

3 - A Modeling Framework For The Strategic Design Of Local Fresh Food Systems
Hector Flores, PhD Candidate, Arizona State University, 513 W. 17th Street, Tempe, AZ, 85281, United States, hector.flores@asu.edu, Rene Villalobos

4 - Product Bundling For Airline Customers
Manini Madireddy, Senior Operations Research, Sabre, 3150 Sabre Dr, Southlake, TX, 76092, United States, Manini.Madireddy@sabre.com, Goda Doreswamy, Meisam Hejazi Nia, Ramasubramanian Sundararajan

■ TB70

Acoustic- Omni

Trans, Planning I

Contributed Session

Chair: Liang Wang, Phd Candidate, Harbin Institute of Technology, Harbin, China, 14b910008@hit.edu.cn

1 - A Segmented Logistic Regression Model To Construct A Valid Set Of Itineraries From A List Of Weekly Flight Legs
Anand Seshadri, Principal, Operations Research, SABRE Airline Solutions, 3rd Floor, Navigator Building, International Tech Park, Bangalore, 560045, India, ug97044@yahoo.com, Gautam Pradhan

2 - Location Of Stations In A One-way Electric Car Sharing System
Hatice Çalık, Université Libre de Bruxelles, Université Libre de Bruxelles, Boulevard du Thriomphe, Brussels, 1050, Belgium, hatice.calik@ulb.ac.be, Bernard Fortz

3 - Spatial-temporal Crash Severity Modeling For Aging-involved Crashes: A Case Of Interstate 95 In Florida
Aschkan Omidvar, University of Florida, Gainesville, FL, 32611, United States, aschkan@ufl.edu, Arda Vanli, Eren Erman Ozguven

■ TB71

Electric- Omni

Vehicle Routing III

Contributed Session

Chair: Mohamed Mahmoud Saleh Abdulkader, PhD Candidate, University of Manitoba, 708-1833 Pembina Highway, Winnipeg, MB, R3T 3X8, Canada, abdulka3@myumanitoba.ca

1 - Multi-depot Two Echelon Pollution Minimizing Routing Problem With Heterogeneous Vehicles
Surendra reddy Kancharla, PhD Student, Indian Institute of Technology Madras, Chennai, India, surendrareddy.kancharla@gmail.com, Gitakrishnan Ramadurai

2 - Heuristics For Online Orders Delivery Optimization
Mohamed Mahmoud Saleh Abdulkader, PhD Candidate, University of Manitoba, 708-1833 Pembina Highway, Winnipeg, MB, R3T 3X8, Canada, abdulka3@myumanitoba.ca, Yuvraj Gajpal, Tarek ElMekkawy

■ TB72

Bass- Omni

Supply Chain Mgt X

Contributed Session

Chair: Prateek Raj, PhD Student, University College London, Gower Street, UCL School of Management, London, WC1E 6BT, United Kingdom, p.raj.12@ucl.ac.uk

1 - Financing Schemes For Upstream Suppliers
Weixiang HUANG, City University of Hong Kong, Kowloon Tong, Kowloon, Hong Kong, China, wxhuang4-c@my.cityu.edu.hk, Yanzhi LI, Qiaohai HU

2 - Optimizing Joint Replenishment Problem For Non-instantaneous Deteriorating Items With Multiple Suppliers Offering Quantity Discounts
Xueyi Ai, Huazhong University of Science and Technology, Luoyu Road, NO. 1037, Wuhan, China, Wuhan, 430074, China, aixueyi1030@gmail.com, Jinlong Zhang

3 - Management Of Supply Chains With Perishable Assets
Maxim A. Dulebenets, Assistant Professor, Florida State University, Tallahassee, FL, United States, mdlbnets@memphis.edu, Mihalis Golias, Mehdi Amini

4 - Designing Power Supply Chains- Understanding India's Electrification Underachievement And Disparity
Prateek Raj, PhD Student, University College London, Gower Street, UCL School of Management, London, WC1E 6BT, United Kingdom, p.raj.12@ucl.ac.uk, Achal Bassamboo

■ TB73

Legends A- Omni

Operations Management II

Contributed Session

1 - Queue Joining Decisions When There Is A Prerequisite Condition For Getting Service
Mona Imanpoor Yourdshahy, PhD Student, University of British Columbia, 2053 Main Mall, Vancouver, BC, V6T 1Z2, Canada, mona.imanpoor@sauder.ubc.ca, Woonghee Tim Huh, Steven Shechter

2 - Codified Knowledge Sharing And Operational Failure In Healthcare: Evidence From NHS Hospitals' Risk Management Documents
Bilal Gokpinar, University College London, London, United Kingdom, b.gokpinar@ucl.ac.uk, Mecit Can Emre Simsekler

3 - Study On The Scheduled Bus-bridging Service And Emergent Strategy Of Bus Fare Discount Under Operation Disruptions Of The Metro System
Li_bing Wan, Huazhong University of Science&Technology, Wuhan, China, wanlibingltt@163.com

4 - Multi-recipe & Multi-variety Blast Furnace Production Planning Under Carbon Cap & Trade Policy Based In An Improved Block Molding Method
Ye Yang, Southeast University, School of Economics and Management, Southeast, Nanjing, China, yangye1120@163.com, Wei-da Chen

■ TB74

Legends B- Omni

Optimization Methodology II

Contributed Session

1 - Global Optimum Of The Complementarity Constrained Program: Algorithm And Application
Yu-Ching Lee, Assistant Professor, National Tsing Hua University, No. 101, Section 2, Kuang-Fu Road,, Engineering Building I,, Hsinchu, Taiwan, yclee@ie.nthu.edu.tw, En-Cheng Chang Chang

2 - Computational Study On Bilevel Mixed Integer Convex Programming Problems
Liang Xu, University of Pittsburgh, 3700 O'Hara Street, 1048 Benedum Hall, Pittsburgh, PA, 15261, United States, lix21@pitt.edu, Bo Zeng

3 - Sales Persons Compensation Scheme Considering Customer Satisfaction And Multiple Distribution Channels
Chulok Ahn, PhD Candidate, Korea University Business School, Korea University Business School, Anam-ro, Seongbuk-gu, Seoul, 02841, Korea, Republic of, ahncokr@korea.ac.kr, Hosun Rhim, Kwangtae Park

4 - Optimization Based Decision Tree Construction
Chaosheng Dong, University of Pittsburgh, 1025 Benedum Hall, 3700 O'Hara Street, Pittsburgh, PA, 15261, United States, chaosheng@pitt.edu, Bo Zeng

■ TB75

Legends C- Omni

Behavioral Operations II

Contributed Session

Chair: Arpit Goel, PhD Student, Stanford Univeristy, 475 Via Ortega, Huang Engineering Center, Stanford, CA, 94305, United States, argoel@stanford.edu

1 - The Behavioral Bayesian Newsvendor In Supply Chain
Ju Myung Song, Rutgers Business School, PhD Program, Washington Park, Room 430C, Newark, NJ, 07102, United States, jumyungsong@gmail.com, Xiaowei Xu

2 - Impact Of Operational Failures On Worker Productivity: Evidence From An Agribusiness Setting
Pradeep Pendem, PhD Candidate in OM, University of North Carolina, Chapel Hill, 300 Kenan Center Drive, Chapel Hill, NC, 27599, United States, pradeep_pendem@kenan-flagler.unc.edu, Bradley R Staats, Paul Green, Francesca Gino

3 - Role Of Partnerships And Point Expiry On Customer Behavior In Reward Programs
Arpit Goel, PhD Student, Stanford Univeristy, 475 Via Ortega, Huang Engineering Center, Stanford, CA, 94305, United States, argoel@stanford.edu, Ashish Goel, Vijay Kamble

■ TB76

Legends D- Omni

Resource Allocation

Contributed Session

Chair: Lei Bu, Institute for Multimodal Transportation, Jackson, MS, United States, leibu04168@gmail.com

1 - Selecting Corporate Structure For Diversified Firms
Arkadiy Sakhartov, Assistant Professor, The Wharton School, University of Pennsylvania, 2017 Steinberg Hall-Dietrich Hall, 3620 Locust Walk, Philadelphia, PA, 19104, United States, arkadiys@wharton.upenn.edu

2 - A Market Model For Scheduling With Applications To Cloud Computing
Jugal Garg, University of Illinois at Urbana-Champaign, 104 South Mathews Avenue, Urbana, IL, 61801, United States, jugal@illinois.edu, Nikhil Devanur, Ruta Mehta, Vijay Vazirani, Sadra Yazdanbod

3 - Modeling Allocation Of Project Resources In Multiproject Portfolio
Zinovy Radovilsky, Professor of Management, California State University, East Bay, 25800 Carlos Bee Blvd., Hayward, CA, 94506, United States, zinovy.radovilsky@csueastbay.edu, Vishwanath Hegde

4 - Resource Allocation And Revenue Management For Age-based Products
Hossein Jahandideh, PhD Student, UCLA Anderson School of Management, 3777 Mentone Avenue, Apt 405, Los Angeles, CA, 90034-6473, United States, hs.jahan@gmail.com, Christopher S Tang, Kevin F McCardle, Behnam Fahimnia

5 - Solving Resource Station Location-routing Problem In Emergency Evacuation Through A Resource-space-Time Network Representation
Lei Bu, Institute for Multimodal Transportation, Jackson, MS, United States, leibu04168@gmail.com, Zhibin Jiang, Feng Wang, Xing Fu, Chuanzhong Yin

■ TB77

Legends E- Omni

Opt, Integer Programing II

Contributed Session

Chair: Lauren Gardner, Senior Lecturer, University of New South Wales, Kensington Campus, Building H20, Sydney, 2052, Australia, l.gardner@unsw.edu.au

1 - Application Of Linear Programming In Dimension Stone Industry
Gangaraju Vanteddu, Associate Professor, Southeast Missouri State University, Harrison College of Business, One University Plaza, MS 5815, Cape Girardeau, MO, 63701, United States, gvanteddu@semo.edu

3 - Portfolio Model For Natural Gas Combined Cycle Power Plant
Asiye Ozge Dengiz, Research Assistant, Baskent University, Baskent Univesity Industrial Engineering Bagl, Ankara, 06810, Turkey, aokarahanli@baskent.edu.tr, Mehmet Gulsen, Orhan Dengiz

4 - A Generalized Framework For The Estimation Of Edge Infection Probabilities
Lauren Gardner, Senior Lecturer, University of New South Wales, Kensington Campus, Building H20, Sydney, 2052, Australia, l.gardner@unsw.edu.au, Andras Botas

■ TB78

Legends F- Omni

Opt, Network II

Contributed Session

Chair: Parimal Kulkarni, Manager, Supply Chain Analytics, BJC Healthcare, 8300 Eager Rd, Suite 500 D Mailstop 92-92-277, St Louis, MO, 63144, United States, pskf44@umsl.edu

1 - Varying Routes For The Bus Driver's Sanity Problem
Paul Hadavas, Associate Professor, Armstrong State University, 11935 Abercorn Street, Savannah, GA, 31419, United States, Paul.Hadavas@armstrong.edu, Jeremy Dyal

2 - A Lagrangian Heuristic For A Rapid Transit Line Design Problem
Souhaïla El Filali, University of Montreal, 3520-2920, Chemin de la Tour, Montreal, QC, H3T 1J4, Canada, souhaila.elfilali@cirrelt.ca, Bernard Gendron, Gilbert Laporte

3 - Search For An Immobile Target On An Undirected Unit Network
Songtao Li, Tsinghua University, 519A, Shunde Building, Tsinghua University, Haidian District, Beijing, 100084, China, list14@mails.tsinghua.edu.cn, Simin Huang

4 - Supporting Campus Evacuation Decisions Via Network Optimization
Jorge Huertas, Graduate Student, Universidad de los Andes, Carrera 1 Este No. 19 A - 40, Bogotá, 111711, Colombia, ja.huertas1845@uniandes.edu.co, Daniel Duque, Ethel Segura, Raha Akhavan-Tabatabaei, Andres L Medaglia

5 - Optimizing Procurement Of High-value Medical Products In A Health-care Network
Parimal Kulkarni, Manager, Supply Chain Analytics, BJC Healthcare, 8300 Eager Rd, Suite 500 D Mailstop 92-92-277, St Louis, MO, 63144, United States, pskf44@umsl.edu Parimal Kulkarni, Manager, Supply Chain Analytics, University of Missouri, St.Louis, One University Blvd, St Louis, MO, 63121, United States, pskf44@umsl.edu, L. Douglas Smith, Glen Moser

■ TB79

Legends G- Omni

Opt, Stochastic II

Contributed Session

Chair: Hernan Andres Caceres Venegas, Ph.D. Student, University at Buffalo - SUNY, 342 Bell Hall, University at Buffalo, Buffalo, NY, 14260, United States, hernanan@buffalo.edu

1 - Efficient Solving Of Multi-stage Mixed-integer Stochastic Problems Under Mean-dispersion Distributional Information
Krzysztof Postek, PhD Candidate, Tilburg University, Warandelaan 2, Tilburg, 5037 AB, Netherlands, k.postek@tilburguniversity.edu, Ward Romeijnders, Dick den Hertog, Maarten H van der Vlerk

2 - Multi-project Scheduling With Multi-mode Resource Constrained Under Uncertainty
Berna Dengiz, Professor, Baskent University, Eskisehir Road 20th Km, Baglica Campus, Ankara, 06530, Turkey, bdengiz@baskent.edu.tr, Serdar Soysal

3 - Stochastic Integer Programming With Endogenous Uncertainty In Open Access Outpatient Clinic Appointments Scheduling
Amarnath Banerjee, Associate Professor, Texas A&M University, 4041 Engineering Technology Building, 3131 Tamu, College Station, TX, 77843-3131, United States, banerjee@tamu.edu, Yu Fu

4 - A Stochastic Mixed Integer Programming Model For Risk Minimization
Yiming Yao, Lawrence Livermore National Laboratory, 7000 East Avenue, L-181, Livermore, CA, 94550-9234, United States, yao3@llnl.gov, Vic Castillo, Andrew Mastin, Carol A Meyers, Deepak Rajan

5 - Pricing Tax Return For Students That Opt-out From Using School Bus
Hernan Andres Caceres Venegas, PhD Student, University at Buffalo - SUNY, 342 Bell Hall, University at Buffalo, Buffalo, NY, 14260, United States, hernanan@buffalo.edu, Rajan Batta, Qing He

■ TB86

Gibson Board Room-Omni

Monte Carlo Methods for Multi-stage Decision Making under Uncertainty

Sponsored: Artificial Intelligence

Sponsored Session

Chair: Michael Fu, University of Maryland, mfu@isr.umd.edu

1 - Back To The Future: Google Deep Mind, Alpha Go & Monte Carlo Tree Search
Michael Fu, University of Maryland, College Park, MD, 20742, United States, mfu@rhsmith.umd.edu

2 - Cumulative Prospect Theory Meets Reinforcement Learning: New Monte Carlo Algorithms
Cheng Jie, University of Maryland, cjie@math.umd.edu, Prashanth L.A., Michael Fu, Marcus Steve, Csaba Szepesvari

3 - Weighted Bandits Or: How Bandits Learn Distorted Values That Are Not Expected
L. A. Prashanth, University of Maryland, College Park, MD, 20742, United States, prashla@umd.edu, Aditya Gopalan, Michael Fu, Steve Marcus

■ TB87

Broadway A-Omni

Community-Based Operations Research II

Sponsored: Public Sector OR

Sponsored Session

Chair: Michael P. Johnson, Univrsity of Massachusetts, Department of Public Policy and Public Affairs, Boston, MA, 3, United States, Michael.Johnson@umb.edu

1 - The Foodbank Compliance Problem: A Multicriteria Vehicle Routing Approach
Sarah Nurre, University of Arkansas, snurre@uark.edu, Kellie Schneider

2 - How Can Value Elicitation In Adult Basic Education Support Learners' Success In Goal-setting Policy?
Alma Biba, University of Florida, Jacksonville, FL, United States, Alma.Biba@jax.ufl.edu, Michael P Johnson

3 - From Spatial Swot Analysis To Mcda And Choice Experiments: An Integrated Approach For Historical Heritage Management In A New World Heritage Site
Valentina Ferretti, London School of Economics and Political Science, London, United Kingdom, V.Ferretti@lse.ac.uk, Elisa Gandino

4 - Mobile Dentistry Network Design: Improving Dental Care Access For Under-served Populations In Rural Regions
Ronald McGarvey, University of Missouri, IMSE and TSPA, E3437D Lafferre Hall, Columbia, MO, 65211, United States, mcgarveyr@missouri.edu, Andreas Holger Thorsen

■ TB88

Broadway B-Omni

Service Science Best Student Paper Competition II

Award Session

Chair: Robin Qiu, Penn State University, 30 E. Swedesford Road, Malvern, PA, 19355, United States, robinqiu@psu.edu

1 - Appointment Scheduling And The Effects Of Customer Congestion on Service
Zheng Zhang, University of Michigan, Ann Arbor, MI, United States, zzhang0409@gmail.com, Zheng Zhang, Brian Denton, Xiaolin Xie

2 - Managing Consumer Return Abuse And an Assessment Of Technology-Enabled Countermeasures
Mustafa Serkan Akturk, Texas A&M University, 4217 TAMU, Wehner 320 M, College Station, TX, 77843-4217, United States, makturk@mays.tamu.edu, Michael Ketzenberg

3 - Data-Driven Management Of Post-Transplant Medications: An APOMDP Approach
Alireza Boloori, Arizona State University, Tempe, AZ, United States, alireza.boloori@asu.edu, Soroush Saghafian, Harini Chakkera, Curtiss Cook

4 - Speedup And Slowdown In Multi-Class Service Systems With Returns
Nasser Barjesteh, University of Chicago Booth School of Business, Chicago, IL, United States, barjesteh@chicagobooth.edu, Hossein Abouee-Mehrizi

5 - Simulation Optimization For Medical Staff Configuration At Emergency Department In Hong Kong
Hainan Guo, City University of Hong Kong, KLN, Hong Kong, Hong Kong, hainaguo-c@my.cityu.edu.hk, Siyang Gao, Kwok-Leung Tsui

■ TB89

Broadway C-Omni

Evolution of Network-wide Traffic Dynamics

Sponsored: TSL, Intelligent Transportation Systems (ITS)

Sponsored Session

Chair: Alireza Khani, University of Minnesota, 136 Civil Engineering Building, 500 Pillsbury Drive S.E., MInneapolis, MN, 55455, United States, akhani@umn.edu

1 - A Node Splitting-Recovery Model For Congestion Evolution Process On Road Networks
Xianyuan Zhan, Purdue University, Evanston, IL, United States, zhanxianyuan@purdue.edu, Satish V. Ukkusuri, Suresh C. Rao

2 - Doubly Dynamic Traffic Assignment Model Based On Regional Macroscopic Fundamental Diagrams
Xiaozhang He, Perdue University, West Lafayette, IN, United States, seanhe@purdue.edu, Mehmet Yildirimoglu, Srinivas Peeta, Xiaozhang He

3 - Modeling Cruising Dynamics For Downtown CurbsideParking
Zhengtian Wu, University of Florida, Department of Civil and Coastal Engineering, Gainesville, FL, United States, zhengtianxu@ufl.edu, Yafeng Yin

■ TB90

Broadway D-Omni

Health Care, Modeling X

Contributed Session

Chair: Stephen Hill, University of North Carolina Wilmington, 601 South College Road, Wilmington, NC, 28403-5611, United States, hills@uncw.edu

1 - Assortment And Inventory Planning In Health Care Sector
Satyaveer S Chauhan, Concordia University, 0ffice Mb11317, 1455 De Maisonneuve Boulevard West, Montreal, QC, H3G 1M8, Canada, satyaveer.chauhan@concordia.ca

2 - Healthcare Distribution Response To A Zika Virus Vaccine
Victor R Prybutok, University of North Texas, 1155 Union Circle, 311160, Denton, TX, 76203-5017, United States, prybutok@unt.edu, Rebecca A. Scott, Gayle Prybutok

3 - Agent Based Simulation Of Influenza Spread On A College Campus
Stephen Hill, University of North Carolina Wilmington, 601 South College Road, Wilmington, NC, 28403-5611, United States, hills@uncw.edu

■ TB94

5th Avenue Lobby-MCC

Technology Tutorial: SAS/SAS-JMP

Technology Tutorial

1 - SAS: Building And Solving Optimization Models With SAS
Edward P Hughes, SAS Institute, Inc., Sas Institute Inc., Sas Campus Drive, Cary, NC, 27513, United States, ed.hughes@sas.com

2 - SAS: Data Discovery And Analysis With JMP 13 Pro
Mia L Stephens, SAS Institute Inc, PO Box 290, York Harbor, ME, 03911, United States, mia.stephens@jmp.com

Tuesday, 12:30PM - 2:30PM

■ Poster Session

Exhibit Hall

Tuesday Poster

Poster Session

1 - An Optimization Algorithm For Train Timetabling Problem Based On Lagrangian Relaxation
Haiying Li, Prof., Beijing Jiaotong University, Shangyuan Cun No.3, Haidian District, Beijing, 100044, China, hyli@bjtu.edu.cn, Zhengwen Liao, Jianrui Miao, Lingyun Meng

2 - Sparsely-sampled Hyperspectral Beam-scanning Imaging System Based On 3d Triangular Lissajous Trajectory
Haonan Lin, Purdue University, West Lafayette, IN, United States, lin676@purdue.edu, Nan Kong

3 - Taxi Sharing
Mustafa Lokhandwala, Purdue University, 241 Sheetz Street, Apt 14, West Lafayette, IN, 47906, United States, mlokhand@purdue.edu

4 - The Morning Commute Problem With Ridesharing Travelers And Dynamic Parking Prices In Continuous-time
Rui Ma, Postdoc Scholar, University of California, Davis, 1001 Ghausi Hall, One Shields Avenue, Davis, CA, 95616, United States, drma@ucdavis.edu, Michael Zhang

5 - Acceleration Of A Communication Efficient Distributed Dual Block Descent Algorithm
Chenxin Ma, Lehigh University, 200 West Packer Avenue, Bethelehem, PA, 08801, United States, chm514@lehigh.edu

6 - Enhancing Operational Performance Of Emergency Room Team
Maryam M Mahdikhani, PhD Candidate, Rutgers University, 1 Washington Park, Room 1019C, Newark, NJ, 07102, United States, m.mahdikhani@rutgers.edu

7 - An Integrated Black Topsis And Grey Linear Programming Approach To Deal With Uncertainty And Confidence Level Of Decision Makers
Hanif Malekpoor, PhD Student, University of East Anglia, Norwich Research Park, Norwich, NR4 7TJ, United Kingdom, H.Malekpoor@uea.ac.uk

8 - Development Of A Least-cost Diet For The Crew Of A Brazilian Navy's Warship
Ernesto Rademaker Martins, Commander, Brazilian Navy, Arsenal da Marinha no Rio de Janeiro (AMRJ), Rua da Ponte S/N, Ilha da Cobras, Centro, Rio de Janeiro, 20091000, Brazil, radmart@yahoo.com.br, Marcos Santos, Jessica Alves Souza, Fabrício Costa Dias, Marcone Freitas Reis

9 - Modeling Strategic Decisions In Football
Christopher G McCord, Massachusetts Institute of Technology, Cambridge, MA, United States, mccord@mit.edu

10 - A Novel Distributed Coordinated Approach For Real-time Signal Control
Mehrzad Mehrabipour, Graduate Research Assistant, Washington State University, 1630 NE valley Rd, Pullman, WA, 99164, United States, mehrzad.mehrabipour@wsu.edu, Ali Hajbabaie

11 - Optimal Parking Utilization Management Under Uncertain Demand
Amir Mirheli, Washington State University, 405 Spokane Street, Sloan 242, Pullman, WA, 99163, United States, amir.mirheli@wsu.edu, Leila Hajibabai

12 - Regularized Discriminant Analysis For Multisensory Damage Detection And Decision Fusion Using Lamb-waves
Spandan Mishra, Florida State University, 2005 Levy Avenue, Tallahassee, FL, 32310, United States, sm11ax@my.fsu.edu, Arda Vanli, Fred Huffer

13 - Identification Of Optimal Partition For Semidefinite Optimization
Ali Mohammad Nezhad, PhD Candidate, Lehigh University, 200 West Packer Ave, Mohler lab, Bethlehem, PA, 18015, United States, alm413@lehigh.edu

14 - Should We Decrease Corn Subsidies And Subsidize Fruits & Vegetables?
Philip F. Musa, Associate Professor and Programs Director, University of Alabama-Birmingham, PO Box 55544, Birmingham, AL, 35255, United States, musa@uab.edu

15 - Endogenous Time Preference And Exhaustible Resource Use
Makiko Nagaya, Showa Women' University, Tokyo, Japan, makiko.nagaya@gmail.com

16 - An Optimization Approach To Detection Of Epistatic Effects
Maryam Nikouei Mehr, Graduate Student, Iowa State University, 3004 Black Engineering, Ames, IA, 50011, United States, mnmehr@iastate.edu, Lizhi Wang

17 - Measuring Competition Between Spanish Engineering Schools
Jordi Olivella, Universitat Politecnica de Catalunya, Avda. Diagonal 647, Barcelona, 08860, Spain, jorge.olivella@upc.edu, Fernando Terres

18 - Ambulance Dispatching Problem To Minimize Response Time And Hospital Congestion Using Approximate Dynamic Programming
Seonghyeon Park, Yonsei University, 29, Yonsei-ro 11-gil, 403-ho, Seoul, 03788, Korea, Republic of, s.park10@yonsei.ac.kr

19 - Quantifying The Benefits Of Continuous Replenishment Program For Partner Selection
Payam Parsa, PhD Candidate, University of Arkansas, Fayetteville, AR, United States, pparsa@uark.edu,
Manuel D Rossetti, Shengfan Zhang, Edward A Pohl

20 - Using An Ontology To Create Content For Clinical Assessment Questions
Anna Perini, Innovative Knowledge Representative Specialist, Elsevier, 1600 JFK Blvd, Philadelphia, PA, 19103, United States, a.perini@elsevier.com

21 - Profile Monitoring Using Non-parametric Models For Poisson Data
Sepehr Piri, Virginia Commonwealth University, 1015 Floyd Ave., PO Box 842014, Richmond, Richmond, VA, 23284, United States, piris@vcu.edu

22 - Joint Inventory Replenishment For High Variety Mass Customizers
Michael Prokle, PhD Candidate, University of Massachusetts-Amherst, 290 N Pleasant Street, Apt 2, Amherst, MA, 01002, United States, mprokle@umass.edu, Ana Muriel

23 - Cross Price Elasticities In Retail Price Optimization
Jagdish Ramakrishnan, Walmart Labs, San Bruno, CA, United States, jramakrishnan@walmartlabs.com, Mátyás Sustik

24 - Evolving Airplane Boarding Zone Plans
Ed Ramsden, Consultant, 1080 County Street, Attleboro, MA, 02703, United States, earamsden@comcast.net

25 - Decision Facing Ambiguity: Mdp, Pomdp And Beyond
Mohammad Rasouli, PhD Candidate, University of Michigan, 430 South Fourth Ave, Ann Arbor, MI, 48104, United States, rasouli@umich.edu

26 - Optimizing Socioeconomic Balances In Schools
Rebecca Reddoch, Furman University, 3300 Poinsett Highway, Greenville, SC, 29613, United States, lattie.reddoch@furman.edu

27 - Sterilization Network Design
Ahmed Saif, Postdoctoral Fellow, HEC Montréal, 3000, Chemin de la Côte-Sainte-Catherine, Montréal, QC, H3T 2A7, Canada, ansaif1976@yahoo.com

28 - An Integrated Facility Location And Network Restoration Model Under Repair Time Uncertainty
Ece Sanci, PhD Pre-Candidate Student, University of Michigan, 1205 Beal Avenue, Ann Arbor, MI, 48109, United States, ecesanci@umich.edu, Mark Stephen Daskin

29 - Application Of Multicriteria Methodology For Decision Aid In The Formation Of A Projects Portfolio
Marcos Santos, Liutenant Commander, Brazilian Navy, Arsenal da Marinha no Rio de Janeiro (AMRJ), Rua da Ponte S/N, Ilha da Cobras, Centro, Rio de Janeiro, 20091000, Brazil, marcosdossantos_doutorado_uff@yahoo.com.br, Hudson Souza, Fabrício Costa Dias, Ernesto Rademaker Martins, Marcone Freitas Reis

30 - Pro Bono Analytics - Informs Volunteers Create Societal Impact With Applied Analytics
Rina R Schneur, ARCKS, Lexington, MA, 02420, United States, rinarsg@gmail.com, Michael P Johnson

31 - MLB And Regression Analysis. Predictions For The 2016 Chicago Cubs And White Sox
Kurt J Schuepfer, Graduate Researcher, Miami University, Oxford, OH, 45056, United States, schuepferk@gmail.com

32 - Fuzzy-logic / Dempster - Shafer Based Information Fusion Formulism For Land-marine Decision Analysis
Nicholas V Scott, Spectral Scientist/Physical Oceanographer, Riverside Research, 2640 Hibiscus Way, Beavercreek, OH, 45431, United States, nscott@riversideresearch.org

33 - Reducing Social Risks In The Supply Chain: An Examination Of S&P 500 Companies
Rose Sebastianelli, Professor, University of Scranton, Brennan Hall 423, Scranton, PA, 18510, United States, rose.sebastianelli@scranton.edu, Nabil Tamimi

34 - Optimal Balanced Sample Selection For Causal Inference Using Machine Learning
Dhruv Sharma, Graduate Student, George Washington University, Washington, DC, 20429, United States, dhruvsharma@gwmail.gwu.edu

35 - Adaptive Sampling Trust Region Algorithms For Derivative Free Simulation Optimization
Sara Shashaani, Purdue University, 782 N Commodores Ln., Lafayette, IN, 47909, United States, sshashaa@purdue.edu, Raghu Pasupathy

36 - Ruled Based Prediction Analysis For 30-days Neurological Recovery Status Post Stand Assisted Treatment Of Brain Aneurysm
Karmel Shehadeh, PhD Student, University of Michigan, 1205 Beal Avenue, Ann Arbor, MI, 48109, United States, ksheha@umich.edu, Chun An-Chou

37 - The Impact Of Social Feedback On Reviewers' Review Decisions
Wenqi Shen, Virginia Tech, Blacksburg, VA, United States, shenw@vt.edu, Yan Liu

38 - Quay Crane Scheduling Problem With Considering Tidal Impact And Fuel Consumption
Yu Shucheng, doctor, Shanghai university, Shang Da Road 99, Shanghai 200444, China, Shanghai, 200444, China, yushucheng2007@163.com

39 - A Dynamic Programming Approach To Solve Bi-level Programming Problem With Fuzzy Rule-base Constraints
Vishnu Pratap Singh, Research Scholar, Indian Institute of Technology-Kharagpur, Department of Mathematics, Kharagpur, WB, 721302, India, vishnupratapsingh56@gmail.com

40 - Using Discrete Event Simulation To Improve Acute Stroke Care Quality Measurement
Lina Song, PhD Candidate, Harvard University, 14 Story Street, 4th floor, Cambridge, MA, 02138, United States, dahye.lina.song@gmail.com

41 - Multi-agent Simulation For Integrative Analysis Of Renewable Energy Policy – Feed-in Tariffs Vs. Renewable Portfolio Standards
Masaaki Suzuki, Tokyo University of Science, 2641 Yamazaki, Noda-shi, Chiba, Japan, m-suzuki@rs.tus.ac.jp, Mari Ito, Ryuta Takashima

42 - Finding Constrained Paths In Edge Colored Graphs
Marta Szachniuk, Associate Professor, Poznan University of Technology, Institute of Computing Science, Piotrowo 2, Poznan, 60-965, Poland, marta.szachniuk@cs.put.poznan.pl
Marta Szachniuk, Associate Professor, Institute of Bioorganic Chemistry, Noskowskiego 12/14, Poznan, 61-704, Poland, marta.szachniuk@cs.put.poznan.pl, Giovanni Felici, Gaurav Singh

43 - Optimal Policies For Deterioration Inventory Problems With Multiclass Demand Fulfillment
yulu Tan, Huazhong university of science and technology, luoyu road 1073, wuhan, China, tylemma@163.com

44 - A Multiple Linear Regression Model For High Tech Talent Retention In China
Jingjing Tong, Assistant Professor, Southeast Missouri State University, One University Plaza, MS 6825, Cape Girardeau, MO, 63701, United States, jtong@semo.edu, Zhi Yang

45 - The Effect Of National Culture On Safety: A Near-miss Analysis
Xun Tong, Carlson School of Management, 425 SE 13 th Ave, Minneapolis, MN, 55414, United States, bruce.tong@connect.polyu.hk, Xun Tong, Business School, The Hong Kong Polytechnic University, Hong Kong, Hong Kong, bruce.tong@connect.polyu.hk, Kevin Linderman

46 - An Investigation On Fuzzy Aggregate Production Planning Using Flexible Requirement Profiles
Setareh Torabzadeh, PhD Student, University of North Carolina-Charlotte, 11000E, Diploma Dr, Charlotte, NC, 28262, United States, storabza@uncc.edu, Ertunga C.Ozelkan

47 - Analyzing Supply Chain Resiliency To Mitigate Drug Shortages
Emily L. Tucker, University of Michigan, 1205 Beal Ave., Ann Arbor, MI, 48109, United States, eltuck@umich.edu, Mark S. Daskin, Wallace J. Hopp, Burgunda V. Sweet

48 - Optimal Placement Of Inspection Points For Hazmat Routing
Harshavardhan Reddy Vempati, Student, University at Buffalo (SUNY), 81 Merrimac St, Buffalo, NY, 14214, United States, hvempati@buffalo.edu, Rajan Batta"

49 - Merging Knapsack Constraints With Cover Inequalities
Fabio T Vitor, Graduate Teaching Assistant, Kansas State University, 2061 Rathbone Hall, 1701B Platt St., Manhattan, KS, 66506, United States, fabioftv@k-state.edu, Todd W Easton

50 - Containership Deployment On A Liner Service
Shuaian Wang, The Hong Kong Polytechnic University, Hong Kong, Hong Kong, wangshuaian@gmail.com, Zhiyuan Liu, Xiaobo Qu, Lu Zhen, hongtao HU

51 - Outsourcing Decisions Under Scale Effect For Competitive Firms With Product Substitutability
Jianghua Wu, Professor, Renmin University of China, 59 Zhongguancun street, Beijing, 100872, China, jwu@ruc.edu.cn, Qiuai Huang

52 - Cost Minimization Of Government Issued Cell Phones
John Yannotty, Slippery Rock University, 1 Morrow Way, Slippery Rock, PA, 16057, United States, jcy1001@sru.edu, Alexander Reid Barclay

53 - Applications Of Text Mining Techniques To Fleet Health And Maintenance Data
Bingjing Yu, Analyst I, Boeing Vancouver, 1146 Homer Street, Vancouver, BC, V6B 2X6, Canada, bingjing.yu@aeroinfo.com, Candice Chan, Gaku Tobinobu, Ehsan Nobakht

54 - A Cross Comparison Of Proactive And Reactive Mitigation Policies For Regions Experiencing Repeated Hazards
Chengwei Zhai, University of Michigan, Ann Arbor, 1205 Beal Ave, Ann Arbor, MI, 48109, United States, cwzhai@umich.edu, Allison C Reilly, Seth Guikema

55 - Second-order Conic Robust Optimization With Application To Radiation Therapy Treatment Planning Of Breast Cancer
Zengbo Zhang, Beijing Institute of Technology, Beijing Institute of Technology, Beijing, 10081, China, zhangzengbo_1999@163.com, Zihao Jiao

56 - Study Of Patient Satisfaction Perception Based On Medical Experience And Health Cognition
Jianjie Zhang, Beijing Institute of Technology, Beijing, China, zhjj_2013@163.com, Jinlin LI, Rong Zhang, Jian Xue

57 - Accelerating The Adoption Of Bundled Payment Reimbursement Systems: A Data-driven Approach Utilizing Claim Data
Wenchang Zhang, Graduate Assistant, University of Maryland, 7621 Mowatt Ln, College Park, MD, 20742, United States, wzhang@rhsmtih.umd.edu

58 - Integrated Operational And Financial Hedging With Capacity Reshoring
Lima Zhao, Assistant Professor of Supply Chain Finance, WHU - Otto Beisheim School of Management, Burgplatz 2, Vallendar, 56179, Germany, lima.zhao@whu.edu, Arnd H Huchzermeier

59 - Forecasting Equity Risk Using Firm Risk Disclosures
Xiaodi Zhu, Stevens Institute of Technology, Hoboken, NJ, 07030, United States, xzhu@stevens.edu, Steve Yang, Somayeh Moazeni

60 - Integrating Anode Recycle In A Real-time Solid Oxide Fuel Cell Model With Pressure Loss
Amelia McIlvenna, University of Tennessee, 550 Lost Tree Ln, Knoxville, TN, 37934, United States, amcilven@vols.utk.edu

61 - Information Network Design And Optimization With Social Media In Disaster Management
Bairong Wang, Industrial & System Engineering, University at Bufflao, SUNY, 150 longmeadow rd apt 2, buffalo, NY, 14226, United States, bairongw@buffalo.edu, Jun Zhuang

62 - Privacy In Social Networks; Do People Care? A Regulatory Focus Theory Perspective
Behrooz Davazdahemami, Doctoral Student, Oklahoma State University, 4599 N Washington St, Apt 40A, Stillwater, OK, 74075, United States, davazda@okstate.edu, Pankush Kalgotra

63 - Candidate List Strategies For Resource Constrained Project Scheduling
Christopher Riley, Assistant Professor of Management, Delta State University, DSU Box 3275 - Broom 252, 1003 West Sunflower Road, Cleveland, MS, 38733, United States, criley@deltastate.edu, Cesar Rego

64 - A Model Of Concession Tracking To Improve Fairness Of Repetitive Shared Resource Use
Dmitry Gimon, Assistant Professor, Fort Hays State University, 600 Park St., Hays, KS, 67601, United States, d_gimon@fhsu.edu

65 - I Have No Data! A Practical Introduction To Range Building
Gustavo Vinueza, Director of Custom Solutions, Palisade Corporation, 798 Cascadilla Street, Palisade Corporation, Ithaca, NY, 14850, United States, gvinueza@palisade.com

66 - New Technologies And Women's Empowerment
Jimin Han, SolBridge International School of Business, Daejeon, Korea, Republic of, jhan154@Student.solbridge.ac.kr, Sung-Tae Kim

67 - Voluntary Delisting & Executive Compensation
Juhi Bhardwaj Sapra, PhD Student, Rensselaer Polytechnic Institute, 110 8th Street, Troy, NY, 12180, United States, bhardj@rpi.edu

68 - Does The GLL-APS Model Reward Investor Over Time?
Maria Luisa Ceprini, Research Associate, Massachusetts Institute of Technology, 100 Main Street, Cambridge, MA, 02142, United States, mceprini@mit.edu, John D Little

69 - A Trilevel Optimization Model For Resilient Transportation Network Design
Mohammad Rahdar, Iowa State University, 3130 Turnberry CT, Unit 195, Ames, IA, 50014, United States, rahdar@iastate.edu, Guiping Hu, Jing Dong, Lizhi Wang, Xuesong Zhou

70 - Team Coordination In Service Organizations: Antecedents And Consequences Of Customer Involvement
Onyi Nwafor, University of Houston, 5710 Ballina Canyon Ln, Houston, TX, 77041, United States, onyid.nwafor@gmail.com

71 - Decision Support For Dynamic Adjusting Emergency Department Workforce
Phichet Wutthisirisart, Mayo Clinic, 200 First Street SW, Harwick Bldg. 2, Rochester, MN, 55905, United States, Wutthisirisart.Phichet@mayo.edu, Mustafa Y Sir, David Nestler, Thomas Hellmich, Kalyan Pasupathy

72 - Predictive Analytics Approach To Analyze Vectorcardioram To Discern Myocardial Infarcted And Healthy Heart
Rupesh Agrawal, Research Assistant, Oklahoma State University, 408 Business Building, Spears School of Business, stillwater, OK, 74078, United States, rupesh.agrawal@okstate.edu, Rahim Sewani, Bruce Benjamin, Dursun Delen

73 - A Tale Of Three States Factors Influencing Public Private Partnership Acceptance
Vandit Shah, California State University-Fullerton, 2404 Nutwood Avenue, Apt K-12, Fullerton, CA, 92831, United States, vandit_2293@csu.fullerton.edu, Deepak Kanhaiyalal Sharma

74 - Attraction Recommendation For Tour Operators Under Stochastic Demand
Chao Huang, Southeast University, Nanjing, Jiangsu Province, China, huangchao@seu.edu.cn, Weihao Hu

75 - Dynamic Pricing Of A Bottleneck With Heterogeneous User Preferences And Value Of Time Using Tradable Credits
Mahyar Amirgholy, Postdoctoral Research Associate, Cornell University, 220 Hollister dr, Ithaca, NY, 14850, United States, amirgholy@cornell.edu, H. Oliver Gao, Eric J. Gonzales

76 - Optimal Design Of The Large-scale Transit Systems In Urban Regions Using The Macroscopic Fundamental Diagram
Lan Liu, Cornell University, Ithaca, NY, 14853, United States, ll745@cornell.edu, Mahyar Amirgholy, Mehrdad Shahabi, H. Oliver Gao

■ Tuesday Poster Competition

Exhibit Hall

Tuesday Poster Competition

Competition Poster Session

1 - Dynamic Pricing And Demand Side Management In Smart Communities
Vignesh Subramanian, University of South Florida, 5006, Bordeaux Village pl, Apt 201, Tampa, FL, 33617, United States, vigneshs@mail.usf.edu, Tapas K. Das

2 - Multi-stage Stochastic Optimization For Considering Investment Risk In Conflict Prone Countries – A Case Study Of South Sudan
Neha Satish Patankar, PhD Student, NC State University, 2366 Champion court, Raleigh, NC, 27606, United States, nspatank@ncsu.edu

3 - Two-stage Methodology For Multiobjective Robust Decision Making With Application In Water-energy Planning
Daniel Jornada, Texas A&M University, 2734 San Felipe Dr, College Station, TX, 77845, United States, djornada@tamu.edu, V.Jorge Leon

4 - Modeling And Maximizing Power For Wind Turbine Arrays
Lucas Buccafusca, University of Illinois Urbana-Champaign, Urbana-Champaign, IL, United States, buccafus@illinois.edu

5 - Using A Private Marketplace To Build A Hybrid Workforce For IT Service Delivery
Monica Johar, Associate Professor, University of North Carolina, 9201 University City Blvd, Friday 352 C, Charlotte, NC, 28223, United States, msjohar@uncc.edu, Su Dong, Ram Kumar

6 - A New Class Of Measures For Independence Test With Its Application In Big Data
Qingcong Yuan, PhD Candidate, University of Kentucky, 305 MDS Building, 725 Rose Street, Lexington, KY 40506, Lexington, KY, 40506, United States, qingcong.yuan@uky.edu, Xiangrong Yin

7 - A Time-series System To Predict Glucose Concentrations Based On Continuous Glucose Monitoring
Lei LI, Beihang University, Beijing, 100191, China, lilei19940219@163.com, Yimeng Shi, Jun Yang, Xiaolei Xie

8 - Optimizing Screening Policies Inside A Food Production Facility
Nicole T Lane, PhD Candidate, North Carolina A&T State University, 3511 Carrington Street, Greensboro, NC, 27407, United States, nicole.t.lane@gmail.com, Lauren Berrings Davis

9 - Multi-agent Routing In Shared Guide Path Networks
Greyson Daugherty, Georgia Institute of Technology, 765 Ferst Dr NW, Atlanta, GA, 30318, United States, sdaugherty3@gatech.edu, Spyros Reveliotis, Greg Mohler

10 - Cost Minimization Of Government Issued Cell Phones
John Yannotty, Slippery Rock University, 1 Morrow Way, Slippery Rock, PA, 16057, United States, jcy1001@sru.edu, Alexander Reid Barclay

11 - Visualization Of Cross Validation For Prediction And Classification
Alexander Engau, Associate Professor, University of Colorado Denver, P.O. Box 173364, Department of Mathematical Sciences, Denver, CO, 80217-3364, United States, aengau@alumni.clemson.edu, Paola Andrea Gonzalez

12 - Bayesian Optimization Of Predictive Precision For Business Ledger Analytics
Abhinav Maurya, Carnegie Mellon University, 5634 Stanton Avenue, Apt 306, Pittsburgh, PA, 15206, United States, ahmaurya@gmail.com, Aly Megahed

13 - The Continuous Network Location Problem For The Alternative Fuel Refueling Station
Sang Jin Kweon, PhD Candidate, Pennsylvania State University, 310 Leonhard Building, Industrial and Manufacturing Engineering, University Park, PA, 16802, United States, svk5333@psu.edu

14 - Optimal Number Of Choices In Rating Contexts
Sam Ganzfried, Assistant Professor, Florida International University, 11200 SW 8th St, Miami, FL, 33199, United States, sam.ganzfried@gmail.com

15 - Improving Patient Access To Primary Care Through E-visits
Xiang Zhong, University of Florida, Gainseville, FL, 32601, United States, oliver040525@gmail.com, Jingshan Li, Philip Bain, Albert Musa, Peter Hoonakker

16 - Optimizing Inventory Under Non-stationary Demand For Profitability Improvement
Liu Yang, Assistant Professor, Purdue University, 3000 Technology Ave, New Albany, IN, 47150, United States, LYang@purdue.edu

17 - Analytics In Action: When Will I Get Out Of The Hospital? Modeling Length Of Stay Using A Disease Network
Pankush Kalgotra, PhD Candidate, Oklahoma State University, 308 W Maple Avenue, Apt 5, Stillwater, OK, 74074, United States, pankush@okstate.edu, Ramesh Sharda

18 - The GetFruved Project Uses Integer Programming To Match Freshmen To Peer Mentors
Wangcheng Yan, The University of Tennessee, Knoxville, Knoxville, TN, 37996, United States, wcyan2009@hotmail.com, Wenjun Zhou, Sarah Colby, Kendra Kattelmann, Anne Mathews, Melissa D. Olfert

19 - Dynamic Model Validation Metric Based On Wavelet Thresholded Signals
Andrew D Atkinson, Captain, Air Force Institute of Technology, 2950 Hobson Way, Wright-Patterson AFB, OH, 45433, United States, andrew.atkinson@afit.edu, Raymond R Hill

20 - Joint Service In Primary Care Clinics
Hyo Kyung Lee, University of Wisconsin-Madison, 313 N Frances St Apt 601, Apt 601, Madison, WI, 53703, United States, hlee555@wisc.edu, Xiang Zhong, Jingshan Li, Albert Musa, Philip Bain

Tuesday, 1:30PM - 3:00PM

■ TC01

101A-MCC

Ensemble Methods in Data Mining

Sponsored: Data Mining

Sponsored Session

Chair: Waldyn Martinez, Miami University, 117 Country Club Dr., Oxford, OH, 45056, United States, wmartine@cba.ua.edu

1 - Ensemble Methods For Credit Risk Assessment
Youqin Pan, Salem State University, Bertolon School of Business, 352 Lafayette Street, Salem, MA, 01970, United States, ypan@salemstate.edu

2 - Multi-engine Out-of-sample Boosting
Meinolf Sellmann, Senior Manager, IBM Research, 1101 Kitchawan Rd, Yorktown Heights, NY, 10566, United States, meinolf@us.ibm.com

3 - Applying Directed Acyclic Graph-based Ensemble Method For Analyzing Huge And Mixed Data In Mobile Manufacturing
Seonghyeon Kang, Samsung Electrotics, Suwon, Korea, Republic of, shyeon.kang@gmail.com

4 - Reducing The Complexity Of Ensemble Methods For Use In Large Scale Multidimensional Data
Waldyn Martinez, Assistant Professor of Business Analytics, Miami University, 117 Country Club Dr., Oxford, OH, 45056, United States, martinwg@miamioh.edu

■ TC02

101B-MCC

Data Mining in Medical and Brain Informatics I

Sponsored: Data Mining

Sponsored Session

Chair: Chun-An Chou, SUNY Binghamton, 4400 Vestal Parkway East, Binghamton, NY, 13902, United States, cachou@binghamton.edu

Co-Chair: Sina Khanmohammadi, SUNY Binghamton, 4400 Vestal Parkway East, Binghamton, NY, 13902, United States, skhanmo1@binghamton.edu

1 - Artificial Neurons Meet Real Neurons: Pattern Selectivity In V4
Reza Abbasi-Asl, University of California, Berkeley, CA, United States, abbasi@berkeley.edu, Yuansi Chen, Adam Bloniarz, Jack L. Gallant, Bin Yu

2 - A New Adaptive Seizure Onset Detection Framework
Sina Khanmohammadi, SUNY Binghamton, 4400 Vestal Pkwy E, SSIE Department, Binghamton, NY, 13902, United States, skhanmo1@binghamton.edu, Chun-An Chou

3 - Efficient Heuristic For Large Scale Networked Data Classification
Daehan Won, University of Washington, wondae@uw.edu

■ TC03

101C-MCC

Panel: Publication Tips

Sponsored: Junior Faculty JFIG

Sponsored Session

Moderator: Anahita Khojandi, University of Tennessee, Knoxville, TN, United States, anahitakhojandi@gmail.com

1 - Panel Discussion: Tips For Successful Publication From Journal Editors
Anahita Khojandi, University of Tennessee, Knoxville, TN, United States, khojandi@utk.edu

2 - Panelist
Alice Smith, Auburn University, 3301 Shelby Center, Auburn, AL, 36849, United States, smithae@auburn.edu

3 - Panelist
Jay Simon, American University, 4400 Massachusetts Avenue, NW, Washington, DC, 20016, United States, jaysimon@american.edu

4 - Panelist
Alice Smith, Auburn University, Auburn, AL, United States, smithae@auburn.edu

5 - Panelist
Douglas Shier, Clemson University, Clemson, SC, United States, shierd@clemson.edu

6 - Panelist
Serguei Netessine, Insead, Singapore, Singapore, serguei.netessine@insead.edu

■ TC04

101D-MCC

Power System Operations Under Increasing Uncertainty

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Antonio J. Conejo, Prof., The Ohio State University, 1971 Neil Avenue, 286 Baker Systems Engineering, Columbus, OH, 43210, United States, conejonavarro.1@osu.edu

Co-Chair: Ramteen Sioshansi, Ohio State University, 1971 Neil Avenue, Columbus, OH, 43210, United States, sioshansi.1@osu.edu

1 - Ramp Capability Modeling For Reliable And Efficient Integration Of Renewable Energy
Congcong Wang, MISO, Carmel, IN, United States, cwang@misoenergy.org, Dhiman Chatterjee

2 - Is Being Flexible Advantageous For Demands?
Farzaneh Abbaspourtorbati, EPFL, Lausanne, Switzerland, Farzaneh.Abbaspourtorbati@swissgrid.ch, Antonio J. Conejo, Jianhui Wang, Rachid Cherkaoui

3 - Aggregating (almost) Symmetric Generators In Unit Commitment
Ben Knueven, University of Tennessee, Knoxville, TN, United States, bknueven@vols.utk.edu, Jim Ostrowski, Jean-Paul Watson, Jianhui Wang

■ TC05

101E-MCC

Reliable Power System Design and Operations

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Bo Zeng, University of Pittsburgh, Benedum Hall 1009, Pittsburgh, PA, 15261, United States, bzeng@pitt.edu

1 - Tighter Modeling And Enhanced Solutions For Power System Operations Under Uncertain Environment
Lei Wu, University of Clarkson, lwu@clarkson.edu

2 - Reliable Fuel Supply Chain Design
Bo Zeng, University of Pittsburgh, bzeng@pitt.edu, Anna Danandeh, Brent Caldwell

■ TC06

102A-MCC

Data-Intensive Computational Methods for Large-scale Infrastructure Systems

Sponsored: Data Mining

Sponsored Session

Chair: Adrian Albert, C3IoT, 1300 Seaport Boulevard, Suite 500, Redwood City, CA, 94063, United States, adrian.t.albert@gmail.com

1 - Sparse Data Analytics For Modern Engineering Systems
Borhan Sanandaji, Risk Management Systems (RMS), Hall, Newark, CA, 24061, United States, sanandaji@eecs.berkeley.edu

2 - A Learning Based Method For Real Time Prediction Of Cascading Failures
Yue Zhao, Stony Brook University, Stony Brook, NY, United States, yue.zhao.2@stonybrook.edu, Jianshu Chen

3 - New Approaches In Data Analysis For Infrastructural Networks: Combinatorial Hodge Theory
Chase Dowling, University of Washington, Seattle, WA, United States, Cdowling@uw.edu, Lillian Ratliff, Baosen Zhang

4 - Energy Profile Prediction: Implications For Electric Vehicle Demand Response
Caroline Camille Le Floch, University of California, Berkeley, Berkeley, CA, United States, caroline.le-floch@berkeley.edu, Scott Moura

■ TC07

102B-MCC

Information and Influence Diffusion in Networks

Sponsored: Data Mining

Sponsored Session

Chair: Wenjun Wang, University of Iowa, Pappajohn Business Building, Iowa City, IA, 52242-1994, United States, wenjun-wang@uiowa.edu

1 - Community Detection And Correlation Analysis
Lian Duan, Hofstra University, Hempstead, NY, United States, Lian.Duan@hofstra.edu, Nick Street, Yanchi Liu, Meral Binbasioglu, Haibing Lu

2 - Detection Of Online Manipulation And Information Diffusion
Onur Varol, Indiana University, ovarol@indiana.edu

3 - Modeling Influence Diffusion For Viral Marketing In Social Networks
Wenjun Wang, University of Iowa, Iowa City, IA, United States, wenjun-wang@uiowa.edu, Nick Street

4 - How Peer Influence Affects Preference Evolution And Product Selection In Offline Retail
LIN ZHAO, Tsinghua University, Tsinghua University, Shunde Builiding Room 615, Beijing, 100084, China, zhaolin14@mails.tsinghua.edu.cn

■ TC08

103A-MCC

Ethics and Sustainable Business Models

Invited: Business Model Innovation

Invited Session

Chair: Elena Belavina, University of Chicago Booth School of Business, Chicago, IL, United States, elena.belavina@chicagobooth.edu

1 - Honesty, Ethical Free Agency And The Hold-up Problem
Manu Goyal, University of Utah, Salt Lake City, UT, United States, Manu.Goyal@eccles.utah.edu, Krishnan S Anand, He Chen

2 - Increasing The Adoption Of New Life-improving Technologies
Gonzalo Romero, Rotman, University of Toronto, 91 Ferrier Avenue, Toronto, ON, M4K 3H6, Canada, gonzalo.romero@rotman.utoronto.ca, Andre Du Pin Calmon

3 - New, Refurbished, And Used: Key Factors That Influence Consumers' Choices
Erin Cassandra McKie, University of South Carolina, 1014 Greene Street, Columbia, SC, 29212, United States, erinmckie@gmail.com, Mark Ferguson, Michael Galbreth, Sriram Venkataraman

4 - Kicking Ash: Who (or What) Is Winning The War On Coal?
David Drake, Harvard Business School, ddrake@hbs.edu

■ TC09

103B-MCC

Environmental Logistics and Supply Chain Operations

Sponsored: Energy, Natural Res & the Environment I Environment & Sustainability

Sponsored Session

Chair: Dincer Konur, Missouri University of Science and Technology, Rolla, MO, United States, konurd@mst.edu

1 - Economic And Environmental Considerations In A Stochastic Inventory Control Model With Order Splitting Under Different Delivery Schedules Among Carriers
James F Campbell, University of Missouri-St Louis, campbell@umsl.edu, Dincer Konur, Sepideh Monfared

2 - Environmental Considerations In Liner Shipping And Vessel Scheduling
Maxim A Dulebenets, Florida State University, Tallahassee, FL, United States, mdlbnets@memphis.edu, Mihalis Golias, Sabya Mishra

3 - Freight Demand Management And It's Role In Sustainable Supply Chains
Johanna Amaya, Rensselaer Polytechnic Institute, Troy, NY, 12180, United States, amayaj@iastate.edu
Johanna Amaya, Iowa State University, Ames, IA, 50011, United States, amayaj@iastate.edu

4 - Analysis Of Non-cooperative Joint Emissions Targeting Decisions In A Leader-follower Channel
Dincer Konur, Missouri University of Science and Technology, konurd@mst.edu

■ TC10

103C-MCC

Optimizing Distributed Energy Generation I

Sponsored: Energy, Natural Res & the Environment, Energy II Other

Sponsored Session

Chair: Alexandra M Newman, Colorado School of Mines, Golden, CO, newman@mines.edu

1 - Optimizing The Design Of A Hybrid, Distributed Energy Generation System With Alternate, Renewable Technologies
Gavin Goodall, Colorado School of Mines, Golden, CO, ggoodall@mymail.mines.edu

2 - Geothermic Fuel Cell System Modeling And Optimization
Gladys Anyenya, Colorado School of Mines, Golden, CO, ganyenya@mymail.mines.edu

3 - Optimization Of Energy Efficient Operation Of HVAC System As Demand Response With Distributed Energy Resources
Young M Lee, IBM Research Center, 1101 Kitchanwan Road, P.O. Box 218, Yorktown Heights, NY, 10598, United States, ymlee@us.ibm.com, Raya Horesh, Leo Liberti

4 - An Optimization Model For Leftover Biomass Feedstock
N. Muhammad Aslaam Mohamed Abdul Ghani, Graduate Student, North Dakota State University, 1320 Albrecht Blvd, Quentin Burdick Building, Fargo, ND, 58108, United States, nmuhammadaslaam.moha@ndsu.edu, Chrysafis Vogiatzis, Joseph Szmerekovsky

■ TC11

104A-MCC

Paths, Cycles, and Transversals

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Balabhaskar Balasundaram, Oklahoma State University, 322 Engineering North, Stillwater, OK, 74078, United States, baski@okstate.edu

1 - Algorithms For Cycles In Graphs
James B Orlin, Massachusetts Institute of Technology, jorlin@mit.edu

2 - New Facets For The Clique Transversal Polytope
Timothy Becker, Rice University, tjbecker04@gmail.com

3 - Elementary Shortest Path Problem On Networks Containing Negative Cycles
Baski Balasundaram, Oklahoma State University, Stillwater, OK, United States, baski@okstate.edu, Devaraja Radha Krishnan

4 - Speed Optimization Over A Path In Quadratic Time
Xiaochen Zhang, University of Minnesota, zhan4487@umn.edu, Qie He, Kameng Nip

■ TC12

104B-MCC

New Results on Nonconvex Optimization

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Daniel Bienstock, Columbia University, 500 W 120th St, New York, NY, 10027, United States, dano@columbia.edu

Co-Chair: Daniel Bienstock, Columbia University, Departments of IEOR and APAM, Columbia University, New York, NJ, 10027, United States, dano@columbia.edu

1 - Centerpoints: A Link Between Optimization And Convex Geometry
Amitabh Basu, Johns Hopkins University, basu.amitabh@jhu.edu, Timm Oertel

2 - On Decomposability Of Multilinear Sets
Alberto Del Pia, University of Wisconsin-Madison, delpia@wisc.edu, Aida Khajavirad

3 - An FPTAS For Minimizing Some Indefinite Quadratics Over The Integer Points In A Polyhedron In Fixed Dimension
Robert Hildebrand, IBM Research, robdhildebrand@gmail.com

■ TC13

104C-MCC

Recent Advances in Computational Optimization

Sponsored: Optimization, Computational Optimization and Software

Sponsored Session

Chair: Gonzalo Munoz, Columbia University, 500 W. 120th Street, IEOR Department, New York, NY, 10027, United States, gonzalo@ieor.columbia.edu

1 - Low-rank/sparse-inverse Decomposition
Victor Fuentes, University of Michigan, Ann Arbor, MI, United States, vicfuen@umich.edu, Jon Lee

2 - Improving The Randomization Step In Feasibility Pump
Andres Iroume, Georgia Institute of Technology, airoume@gatech.edu, Santanu Subhas Dey, Marco Serpa Molinaro, Marco Serpa Molinaro

3 - A Branch-and-bound Algorithm For The Facility Location Problem With Random Utilities
Eduardo Moreno, Universidad Adolfo Ibáñez, Santiago, Chile, eduardo.moreno@uai.cl, Alexandre S Freire, Wilfredo Yushimito

4 - Submodular Path Inequalities For Capacitated Lot-sizing With Inventory And Backlogging Bounds
Birce Tezel, University of California-Berkeley, Berkeley, CA, 94720, United States, btezel@berkeley.edu, Alper Atamturk

■ TC14

104D-MCC

Sustainable and Responsible Supply Chain Management I

Sponsored: Energy, Natural Res & the Environment I Environment & Sustainability

Sponsored Session

Chair: Sandra D Eksioglu, Clemson University, Clemson, SC, United States, seksiog@clemson.edu

1 - Valuing A Cellulosic Biofuel Project Considering Supply Uncertainty
Guiping Hu, Iowa State University, gphu@iastate.edu, Yihua Li, Chung-Li Tseng, Wei-Chung Miao

2 - Lot Sizing With Emission Dependent Demand
Gokce Palak, Shenandoah University, gpalak@su.edu

3 - A Competitive Supply Chain Framework With Sustainable Environmental Policies
Min Yu, University of Portland, Portland, OR, United States, yu@up.edu, Jose Cruz

■ TC15

104E-MCC

Joint Session AI/SMA: Social Media Analytics and Big Network Data

Sponsored: Artificial Intelligence

Sponsored Session

Chair: Bin Zhang, Assistant Professor, University of Arizona, 1130 E. Helen St, Tucson, AZ, 85715, United States, binzhang@arizona.edu

1 - Analyzing Heterogeneity Of User Participation Behavior In Online News Article Propagation
Devi Bhattacharya, University of Arizona, dbhattac@email.arizona.edu

2 - Knowledge Discovery Using Disease Comorbidity Networks
Karthik Srinivasan, University of Arizona, Tucson, AZ, 85719, United States, karthiks@email.arizona.edu, Faiz Currim, Sudha Ram

3 - Social Networks In Online Games: The Impact Of Peer Influences On Repeat Purchase
Bin Zhang, University of Arizona, binzhang@arizona.edu, Ruibin Geng, Xi Chen

■ TC16

105A-MCC

Inverse Optimization: Applications

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Taewoo Lee, Rice University, 1, Houston, TX, United States, taewoo.lee@rice.edu

1 - Inverse Optimization For The Analysis Of Competitive Markets: An Application To The North American Fuel Market
Michael Pavlin, Wilfrid Laurier University, mpavlin@wlu.ca

2 - Inverse Optimization For Intensity Modulated Proton Therapy
Neal Kaw, University of Toronto, Toronto, ON, Canada, neal.kaw@mail.utoronto.ca, Timothy Chan, Albin Fredriksson

3 - Data-driven Objective Selection In Multi-objective Optimization: Inverse Optimization Approach
Taewoo Lee, Rice University, 6100 Main MS-134, Houston, TX, 77005, United States, taewoo.lee@rice.edu, Tayo Ajayi, Andrew J Schaefer

■ TC17

105B-MCC

Stochastic Optimization for Large-Scale Learning

General Session

Chair: Qihang Lin, the University of Iowa, 21 East Market Street, PBB, S380, Iowa City, IA, 52245, United States, qihang-lin@uiowa.edu

1 - Adadelay: Delay Adaptive Distributed Stochastic Optimization
Adans Wei Yu, Carnegie Mellon University, Pittsburgh, PA, United States, weiyu@cs.cmu.edu

2 - Rsg: Beating Subgradient Method Without Smoothness And Strong Convexity
Tianbao Yang, the University of Iowa, tianbao-yang@uiowa.edu, Qihang Lin

3 - Worst-case Complexity Of Cyclic Coordinate Descent
Ruoyu Sun, Stanford University, ruoyus@stanford.edu, Yinyu Ye

4 - Homotopy Smoothing For Structured Non-smooth Problems
Qihang Lin, Assistant Professor, University of Iowa, Iowa City, IA, 52242, United States, qihang-lin@uiowa.edu, Yi Xu, Yan Yan, Tianbao Yang

■ TC18

106A-MCC

Finance, Portfolio

Contributed Session

Chair: Christopher M Rump, Associate Professor, Bowling Green State University, College of Business Administration, Bowling Green, OH, 43403-0267, United States, cmrump@bgsu.edu

1 - A Goal Programming Approach To Municipal Bond Portfolio Management
Laura Ventura, PhD Student, The Pennsylvania State University, University Park, PA, 16802, United States, ljv115@psu.edu, Barbara Venegas Quintrileo

2 - Asset Selection In Indian Stock Market Using PCA-DEA Framework
Dhanya Jothimani, Doctoral Student, Indian Institute of Technology Delhi, DMS, IIT Delhi, Vishwakarma Bhawan, Hauz Khas, New Delhi, 110016, India, dhanyajothimani@gmail.com, Ravi Shankar, Surendra S Yadav

3 - Optimal Portfolio Under Black Litterman Framework With Certain Confidence Level
Cagatay Karan, North Carolina State University, Raleigh, NC, United States, ckaran@ncsu.edu, Tao Pang

4 - Evolution Of A Lottery Jackpot
Christopher M Rump, Associate Professor, Bowling Green State University, College of Business Administration, Bowling Green, OH, 43403-0267, United States, cmrump@bgsu.edu

■ TC19

106B-MCC

Population Health: Infectious and Chronic Diseases

Sponsored: Computing

Sponsored Session

Chair: Nedialko Dimitrov, The University of Texas at Austin, The University of Texas at Austin, Austin, TX, 00000, United States, ned.dimitrov@gmail.com

1 - Risk Sensitive Control And Cascading Defaults
Agostino Capponi, Columbia University, ac3827@columbia.edu

2 - Resource Allocation For Hepatitis C Elimination
Qiushi Chen, Georgia Institute of Technology, Atlanta, GA, United States, chenqiushi0812@gatech.edu, Turgay Ayer, Jagpreet Chhatwal

3 - Optimizing Arbovirus Surveillance
Xi Chen, University of Texas at Austin, carol.chen@utexas.edu

■ TC20

106C-MCC

Multiagent Systems Modeling

Invited: Tutorial

Invited Session

Chair: Sanmay Das, Washington University in St. Louis, St, Louis, MS, 12, United States, sanmay@wustl.edu

1 - MultiagentSystems Modeling
Sanmay Das, Washington University in St. Louis, St, Louis, MS, United States, sanmay@wustl.edu

■ TC21

107A-MCC

Payment Models, Pricing, and Incentives in Healthcare

Sponsored: Health Applications

Sponsored Session

Chair: Mehmet U.s. Ayvaci, University of Texas at Dallas, Richardson, TX, United States, mehmet.ayvaci@utdallas.edu

1 - The Role Of Physician Alignment And Organizational Structures In Bundled Payments
Jan Vlachy, Georgia Institute of Technology, Atlanta, Georgia, vlachy@gatech.edu, Turgay Ayer, Mehmet U.S. Ayvaci, Srinivasan Raghunathan

2 - Incentive Programs For Reducing Readmissions When Patient Care Is Co-produced
Dimitrios Andritsos, HEC Paris, andritsos@hec.fr, Christopher S Tang

3 - Reference Pricing For Healthcare Services
Shima Nassiri, University of Washington, shiman@uw.edu, Hamed Mamani, Elodie Adida

4 - Role Of Payment Models In The Value And Adoption Of Health-information Exchanges
Mehmet U Ayvaci, University of Texas-Dallas, 800 W Campbell Rd SM33, Richardson, TX, United States, mehmet.ayvaci@utdallas.edu, Huseyin Cavusoglu, Srinivasan Raghunathan

■ TC22

107B-MCC

Dealing with Uncertainty in Hospital Operations

Sponsored: Health Applications

Sponsored Session

Chair: Song-Hee Kim, USC Marshall School of Business, Bridge Hall 307A, 3670 Trousdale Pkwy, Los Angeles, CA, 90089, United States, songheek@marshall.usc.edu

Co-Chair: Tinglong Dai, Johns Hopkins University, 100 International Dr, Baltimore, MD, 21202, United States, dai@jhu.edu

1 - Time-driven Activity Based Costing Of Coronary Artery Bypass Grafting Across National Boundaries To Identify Improvement Opportunities
Feryal Erhun, University of Cambridge, f.erhun@jbs.cam.ac.uk

2 - Clinical Ambiguity And Conflicts Of Interest In Interventional Cardiology Decision-making
Tinglong Dai, Assistant Professor, Johns Hopkins University, 100 International Drive, Baltimore, MD, 21202, United States, dai@jhu.edu, Xiaofang Wang, Chao-Wei Hwang, Chao-Wei Hwang

3 - The Value And Price Of Flexibility In Robust Assignment Of Patients To Radiation Therapy Machines
Philip Allen Mar, Dept. of MIE, University of Toronto, 5 King's College Road, Toronto, ON, M5S 3G8, Canada, philip.mar@mail.utoronto.ca, Timothy Chan

4 - Maximizing Intervention Effectiveness Through Robust Optimization
Rong Qing Brian Han, Marshall School of Business, University of Southern California, Los Angeles, CA, United States, rongqing.han.2019@marshall.usc.edu, Vishal Gupta, Song-Hee Kim

■ TC23

108-MCC

New Models in Health Care

Sponsored: Health Applications

Sponsored Session

Chair: Lawrence Wein, Stanford University, 655 Knight Way, Stanford, CA, 94305, United States, lwein@stanford.edu

1 - Personalized Medicine
Dimitris Bertsimas, MIT, dbertsim@mit.edu

2 - Data Uncertainty In Cost-effectiveness Analyses Of Medical Innovations
Joel Goh, Harvard University, jgoh@hbs.edu, Mohsen Bayati, Stefanos Zenios, Sundeep Singh, David W Moore

3 - New Models For Fecal Microbiota Transplantations
Lawrence Wein, Stanford University, lwein@stanford.edu, Abbas Kazerouni

4 - Designing Strategic National Stockpile – A Two-stage Robust Optimization Approach
Peter Yun Zhang, Massachusetts Institute of Technology, Cambridge, MA, United States, pyzhang@mit.edu, Nikolaos Trichakis, David Simchi-Levi

■ TC24

109-MCC

Public Health and Health System Modeling

Sponsored: Health Applications

Sponsored Session

Chair: Stan Neil Finkelstein, MIT, 77 Massachusetts Avenue, Cambridge, MA, 02139, United States, snfinkel@mit.edu

1 - A Dynamic Model Of Post-traumatic Stress Disorder For Military Personnel And Veterans
Navid Ghaffarzadegan, Virginia Tech, 307 Craig Dr., Blacksburg, VA, 24060, United States, navidg@vt.edu, Alireza Ebrahimvandi, Mohammad S. Jalali

2 - Modeling Food Supply Systems To Identify Outbreak Origins
Elena Polozova, Undergraduate Student, Massachusetts Institute of Technology, 77 Massachusetts Ave., Cambridge, MA, 02139, United States, polozova@mit.edu, Abigail Lauren Horn, Andreas Balster, Hanno Friedrich

■ TC25

110A-MCC

Scheduling in Practice

Invited: Project Management and Scheduling

Invited Session

Chair: Emrah Cimren, Nike, Portland, OR, United States, cimren.1@gmail.com

1 - Integrated Staffing And Scheduling In Call Centers Using Dynamic Queueing Models
Raik Stolletz, University of Mannheim, Chair of Production Management, Schloss, Mannheim, 68131, Germany, stolletz@bwl.uni-mannheim.de

2 - Scheduling Of Vehicles With Handover Relations At Transshipment Terminals
Dirk Briskorn, University of Wuppertal, briskorn@wiso.uni-koeln.de, Malte Fliedner, Martin Tschöke

3 - Staff Scheduling For Regular And On-call Hours In Retailers When Sales Are Correlated With Store Traffic And Staffing
Osman Alp, University of Calgary, Haskayne School of Business, 2500 University Drive, Scurfield Hall 120, Calgary, AB, T2N1N4, Canada, osman.alp@ucalgary.ca

■ TC26

110B-MCC

Combinatorial Auctions

Invited: Auctions

Invited Session

Chair: Sven Seuken, University of Zurich, Zurich, Switzerland, seuken@ifi.uzh.ch

1 - Core-selecting Payment Rules For Combinatorial Auctions With Uncertain Availability Of Goods
Dmitry Moor, University of Zurich, Zurich, Switzerland, dmoor@ifi.uzh.ch, Sven Seuken, Tobias Grubenmann, Abraham Bernstein

2 - SATS: A Spectrum Auction Test Suite
Michael Weiss, tba, tba, Switzerland, weiss.michael@gmx.ch, Benjamin Lubin, Sven Seuken

3 - Design Of Combinatorial Auctions Using Machine Learning-based Bidding
Gianluca Brero, University of Zurich, Zurich, Switzerland, brero@ifi.uzh.ch, Benjamin Lubin, Sven Seuken

4 - Designing A Combinatorial Market For Offloading Cellular Traffic Via Wireless Access Points
Sven Seuken, University of Zurich, seuken@ifi.uzh.ch

■ TC27

201A-MCC

Empirical Studies in Supply Chain Management

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Jun Li, Ross School of Business, University of Michigan, Ann Arbor, MI, United States, junwli@umich.edu

1 - The Causes Of Drug Shortages: An Empirical Analysis
Yixin (Iris) Wang, Ross School of Business, University of Michigan, Ann Arbor, MI, United States, iriswang@umich.edu, Jun Li, Ravi Anupindi

2 - Ration Gaming And The Bullwhip Effect: A Structural Econometric Study
Robert Bray, Kellogg School of Management, Northwestern University, r-bray@kellogg.northwestern.edu

3 - Quality Propagation In The Supply Chain And Its Implication On Customer Future Purchasing Behavior: An Empirical Study
Qiuping Yu, Kelley School of Business, Indiana University, 1309 E. Tenth Street, Bloomington, IN, 47405, United States, qiupyu@indiana.edu, Shawn Mankad, Masha Shunko

■ TC28

201B-MCC

Operations-Marketing Interface

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Xuanming Su, University of Pennsylvania, Philadelphia, PA, United States, xuanming@wharton.upenn.edu

1 - Online And Offline Information For Omnichannel Retailing
Fei Gao, University of Pennsylvania, Philadelphia, PA, United States, feigao@wharton.upenn.edu, Xuanming Su

2 - Leveraging Physical Presence In Omni-Channel Retail
Antonio Moreno-Garcia, Kellogg School of Management, a-morenogarcia@kellogg.northwestern.edu, David Bell, Santiago Gallino

3 - Signaling To The Crowd: Private Quality Information And Rewards-based Crowdfunding
Robert Swinney, Associate Professor, Duke University, 100 Fuqua Drive, Durham, NC, 27516, United States, robert.swinney@duke.edu, Soudipta Chakraborty

4 - Donor Product-subsidies To Increase Consumption: Implications Of Consumer Awareness And Profit-maximizing Intermediaries
Terry Taylor, University of California Berkeley, Berkeley, CA, 94720, United States, taylor@haas.berkeley.edu, Wenqiang Xiao

■ TC29

202A-MCC

Issues in Environmental Operations: Managing Risk, Customer Returns, and Regulations

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Gokce Esenduran, Ohio State University, Columbus, OH, United States, esenduran_1@fisher.osu.edu

1 - Risk Management Through Investment In Sustainability
Ali Shantia, HEC Paris, Paris, France, ali.shantia@hec.edu, Sam Aflaki, Hamed Ghoddusi

2 - The Impact Of Consumer Returns On The Multichannel Sales Strategies Of Manufacturers
Paolo Letizia, Assistant Professor of Business Analytics, University of Tennessee, Knoxville, TN, 37996, United States, pletizia@utk.edu, Terry P Harrison

3 - A Framework To Estimate The Economic And Environmental Impacts Of Take-back Legislation
Eda Kemahlioglu-Ziya, North Carolina State University, Raleigh, NC, United States, ekemahl@ncsu.edu, Megan Jaunich, Hadi Gashti, Joseph F DeCarolis, Robert Handfield, Ranji S Ranjithan

4 - Valuable E-waste: Implications For Extended Producer Responsibility
Atalay Atasu, Georgia Institute of Technology, atalay.atasu@scheller.gatech.edu, Gokce Esenduran, Luk N Van Wassenhove

■ TC30

202B-MCC

Supply Chain Channel Management

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Guoming Lai, University of Texas at Austin, United States, guoming.lai@mccombs.utexas.edu

Co-Chair: Abhishek Roy, UT Austin, UT Austin, Austin, TX, 78712, United States, abhishek.roy@utexas.edu

1 - Financial Cross-ownership And Information Dissemination In A Supply Chain
Noam Shamir, Tel-Aviv University, Coller School of Management, Tel-Aviv, Israel, nshamir@post.tau.ac.il, Yossi Aviv

2 - Broader Market Coverage For Innovative Products With Deliberate Supply Chain Leadership
Hyoduk Shin, UC San Diego Rady School of Management, hdshin@ucsd.edu, Vish Krishnan, Junghee Lee, Oleksiy Mnyshenko

3 - Manufacturer Rebate Competition In A Supply Chain With A Common Retailer
Yunjie Wang, Hong Kong University of Science and Technology, yunjie89@gmail.com, Albert Y Ha, Weixin Shang

4 - The Implications Of Visibility On The Use Of Strategic Inventory In A Supply Chain
Abhishek Roy, University of Texas at Austin McCombs School of Business, abhishek.roy@utexas.edu, Stephen M Gilbert, Guoming Lai

■ TC31

202C-MCC

Operations/Corporate Finance Interface

Sponsored: Manufacturing & Service Oper Mgmt, iFORM

Sponsored Session

Chair: Jie Ning, Case Western Reserve University, 10900 Euclid Ave, Cleveland, OH, 44106, United States, jie.ning@case.edu

Co-Chair: Volodymyr O Babich, Georgetown University, 3700 O St NW, Washington, DC, 20057, United States, vob2@georgetown.edu

1 - Inventory And Signaling To Creditors
Jiri Chod, Boston College, Chestnut Hill, MA, United States, chodj@bc.edu, Nikolaos Trichakis, Gerry Tsoukalas

2 - Innovative Financing For Sme Suppliers: Factoring, Reverse Factoring And Retailer's Engagement
Fasheng Xu, Washington University in St. Louis, St. Louis, MO, fasheng.xu@wustl.edu, Panos Kouvelis

3 - R&D Investments In The Presence Of Free-riding And Risk-shifting Incentives: Can Debt Financing Mitigate Under-investment?
Jie Ning, Case Western Reserve University, Cleveland, OH, United States, jie.ning@case.edu, Volodymyr O Babich

■ TC32

203A-MCC

Revenue Mgt, Pricing II

Contributed Session

Chair: Sareh Nabi Abdolyousefi, University of Washington, 2727 NE 55th Street, Seattle, WA, 98105, United States, snabi@uw.edu

1 - A Pricing Setting Retailer Sourcing From Competing Suppliers Facing Disruption
Xi Shan, Student, The University of Texas at Dallas, 800 W. Campbell Road, Richardson, TX, 75080, United States, 130630@utdallas.edu, Suresh P Sethi", Tao Li

2 - Pricing Of Internet Dynamically Under Changing Capacity
Demet Batur, Assistant Professor, University of Nebraska - Lincoln, CBA 209, Lincoln, NE, 68588-0491, United States, dbatur@unl.edu, Jennifer Ryan, Zhongyuan Zhao, Mehmet C Vuran

3 - Evaluating The Impact Of Adopting 3d Printing Services On The Retailers
Sharareh Rajaei dehkordi, PhD Student of industrial engineering, New Jersey Institute of Technology, 10 Hill Street, Apt 2N, Newark, NJ, 07102, United States, sr552@njit.edu, Wenbo (Selina) Cai

4 - Choice-based Revenue Management Under Online Reviews
Dirk Daniel Sierag, CWI, Science Park 123, Amsterdam, 1098 XG, Netherlands, dirk@cwi.nl

5 - Customer'S Strategic Behavior Using Thompson Sampling
Sareh Nabi Abdolyousefi, University of Washington, 2727 NE 55th Street, Seattle, WA, 98105, United States, snabi@uw.edu

■ TC33

203B-MCC

Queueing Models II

Contributed Session

Chair: Iqra Ejaz, Texas A&M University, College Station, TX, United States, iejaz@tamu.edu

1 - Multiple Server Preemptive Scheduling With Impatience
Yang Cao, University of Southern California, Los Angeles, CA, 90089, United States, cao573@usc.edu

2 - Optimal Control Of General Dynamic Matching System
Mohammadreza Nazari, PhD Student, Lehigh University, Lehigh University, Murray H Goodman Campus, Bethlehem, PA, 18015, United States, mon314@lehigh.edu, Aleksandr Stolyar

3 - Acuity-based Nurse-staffing Strategies For Inpatient Settings Using A Stochastic Modeling Approach
Parisa Eimanzadeh, PhD Student, Wichita State University, 6000 E Mainsgate Street, Apt 108, Wichita, KS, 67220, United States, pxeimanzadeh@wichita.edu, Ehsan Salari

4 - Condition-based Maintenance For Queues With Degrading Servers
Iqra Ejaz, Texas A&M University, College Station, TX, United States, iejaz@tamu.edu, Michelle M. Alvarado, Nagi Gebraeel, Natarajan Gautam, Mark Alan Lawley

■ TC34

204-MCC

Public Policy and Healthcare Operations

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Susan F Lu, Purdue University, West Lafayette, IN, United States, lu428@purdue.edu

Co-Chair: Lauren Xiaoyuan Lu, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, lauren_lu@unc.edu

1 - Do Mandatory Overtime Laws Improve Quality? Staffing Decisions And Operational Flexibility Of Nursing Homes
Lauren Xiaoyuan Lu, University of North Carolina at Chapel Hill, Chapel Hill, NC, United States, lauren_lu@unc.edu, Susan F Lu

2 - Predicting Nurse Turnover And Its Impact On Staffing Decisions
Eric Webb, Indiana University, Bloomington, IN, United States, ermwebb@indiana.edu, Kurt Bretthauer

3 - Hospital Readmissions Reduction Program: An Economic And Operational Analysis
Dennis Zhang, Washington University in St. Louis, St. Louis, MO, 90024, United States, zjj1990228@gmail.com

■ TC35

205A-MCC

Public Sector Service Operations

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Gad Allon, Northwestern University, Kellogg School of Management, Evanston, IL, 60208, United States, g-allon@kellogg.northwestern.edu

1 - Social Engagement And Learning In Massive Open Online Courses: Evidence From Field Experiments
Dennis Zhang, Washington University, 8342 Delcrest Drive, Apt 328, University City, MO, 63124, United States, denniszhang@wustl.edu, Gad Allon, Jan A Van Mieghem

2 - Menu Design In Subsidized Housing Lotteries
Peng Shi, Massachusetts Institute of Technology, pengshi@mit.edu

3 - Matching Applicants To Apartments In The Nyc Public Housing Waiting List
Jacob Leshno, Columbia University, yarboz@gmail.com

4 - Should Hospitals Keep Their Patients Longer? The Role Of Inpatient Care In Reducing Post-discharge Mortality
Carri Chan, Columbia Business School, cwchan@columbia.edu, Ann Bartel, Song-Hee Kim

■ TC36

205B-MCC

Innovative Pricing

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Yao Cui, Cornell University, 401N Sage Hall, Ithaca, NY, 14853, United States, yao.cui@cornell.edu

1 - Price Competition In The Presence Of Social Comparison And Demand Uncertainty
Yun Zhou, University of Toronto, Toronto, ON, Canada, Yun.Zhou13@Rotman.Utoronto.Ca, Ming Hu, Tony H Cui

2 - The Operational Advantages Of Threshold Discounting Offers
Simone Marinesi, WHARTON, marinesi@wharton.upenn.edu, Karan Girotra, Serguei Netessine

3 - Dynamic Pricing Under Debt: Spiraling Distortions And Efficiency Losses
Dan Andrei Iancu, Stanford University, 655 Knight Way, Stanford, CA, 94305, United States, daniancu@stanford.edu, Omar Besbes, Nikolaos Trichakis

4 - Price Dispersion And Consumer Upgrades: Theory And Empirical Evidence From Airline Industry
Yao Cui, Cornell University, Ithaca, NY, United States, yao.cui@cornell.edu, A. Yesim Orhun, Izak Duenyas

■ TC37

205C-MCC

Sustainable Operations II

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Natalie Huang, Scheller College of Business - Georgia Institute of Technology, GA, United States, ximin.huang@scheller.gatech.edu

1 - Carrot Or Stick? An Analysis Of Environmental Policies In Supply Chains
Xuan Zhao, Associate Professor, Wilfrid Laurier University, 75 University Ave. W., Waterloo, ON, N2L3C5, Canada, xzhao@wlu.ca, Junsong Bian

2 - Strategies To Combat Refurbished And Remanufactured Counterfeit Products
Morteza Pourakbar, Erasmus University, Vignolahof 14, Rotterdam, 3066 AV, Netherlands, MPourakbar@rsm.nl, Paolo Letizia, Mohammad Nikoofal

3 - The Value Of Competition In Remanufacturing
Narendra Singh, Indian School of Business, Sector 81, Mohali, 140306, India, narendra_singh@isb.edu, Karthik Ramachandran, Ravi Subramanian

■ TC38

206A-MCC

Service Science II

Contributed Session

Chair: Do-Hyeon Ryu, Pohang University of Science and Technology, Pohang, Kyungbuk, Korea, Republic of, dhryu@postech.ac.kr

1 - Financial Valuation Of Wellness Centered Operations
Min Kyung Lee, Clemson University, 100 Sirrine Hall, Clemson, SC, 29634, United States, minl@g.clemson.edu, Aleda Roth, Rohit Verma, Bernardo F. Quiroga

2 - Extended Warranty Information Availability Formats: Impact On Consumer Purchase Decisions
Paul R Messinger, University of Alberta, Faculty of Business, 3-20e Faculty Of Business Bldg, Edmonton, AB, T6G 2R6, Canada, paul.messinger@ualberta.ca, Moein Khanlari Larimi

3 - Technology In Service – From Dumb To Thinking To Feeling
Ming-Hui Huang, Distinguished Professor, National Taiwan University, 1 Sec 4, Roosevelt Road, Taipei, 10617, Taiwan, huangmh@ntu.edu.tw

4 - Development Of An Online To Offline Service Blueprint
Do-Hyeon Ryu, Pohang University of Science and Technology, Pohang, Kyungbuk, Korea, Republic of, dhryu@postech.ac.kr, Chie-Hyeon Lim, Kwang-Jae Kim

■ TC39

207A-MCC

Dynamic Learning Applications

Sponsored: Applied Probability

Sponsored Session

Chair: N. Bora Keskin, Duke University, Durham, Durham, NC, 27708, United States, bora.keskin@duke.edu

1 - Dynamic Pricing In Unknown Environments With Memory
Abbas Kazerouni, Stanford University, Stanford, CA, 94305, United States, abbask@stanford.edu, Benjamin Van Roy

2 - Online Active Linear Regression
Carlos Riquelme, Stanford University, rikel@stanford.edu, Ramesh Johari, Baosen Zhang

3 - Learning Preferences With Side-information: Near Optimal Recovery Of Tensors
Andrew A Li, MIT, Cambridge, MA, United States, aali@mit.edu, Vivek Farias

4 - On Incomplete Learning And Certainty-equivalence Control
N. Bora Keskin, Duke University, Durham, NC, United States, bora.keskin@duke.edu, Assaf Zeevi

■ TC40

207B-MCC

Applied Probability and Machine Learning I

Sponsored: Applied Probability

Sponsored Session

Chair: Guy Bresler, Massachusetts Institute of Technology, 32 Vassar St, 32-D672, Cambridge, MA, 02139, United States, guy@mit.edu

1 - Controlling Bias From Data Exploration Using Information Theory
Daniel Russo, Northwestern University, Evanston, IL, United States, dan.joseph.russo@gmail.com, James Zou

2 - K-nearest Neighbor Methods For Information Estimation
Sewoong Oh, University of Illinois, Urbana, IL, United States, swoh@illinois.edu

3 - Semidefinite Programming Relaxations For Exact Recovery Of Hidden Communities
Jiaming Xu, Purdue University, West Lafayette, IN, United States, xu972@purdue.edu, Bruce Hajek, Yihong Wu

4 - Influence Maximization In Linear Threshold And Triggering Models
Po-Ling Loh, UW - Madison, Madison, WI, 53717, United States, polingloh@gmail.com

■ TC41

207C-MCC

Quantitative Risk Management

Sponsored: Financial Services

Sponsored Session

Chair: Abel Cadenillas, University of Alberta, Edmonton, AB, Canada, abel@ualberta.ca

1 - Systemic Influences On Optimal Equity-credit Investment
Christoph Frei, University of Alberta, cfrei@ualberta.ca, Agostino Capponi

2 - Optimal Governement Debt Ceiling
Abel Cadenillas, University of Alberta, abel@ualberta.ca, Ricardo Huaman-Aguilar

3 - Optimal Cash Holdings Under Funding Risk
Andreea Minca, Cornell University, acm299@cornell.edu

4 - On The Measurement Of Economic Tail Risk
Steven Kou, National University of Singapore, matsteve@nus.edu.sg

■ TC42

207D-MCC

Revenue Management with Advertising Applications

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: John G Turner, University of California - Irvine, Room SB2 338, Irvine, CA, 92697-3125, United States, john.turner@uci.edu

1 - The Bid Adjustment Problem In Search Advertising
Mustafa Sahin, University of Maryland, mustafa.sahin@rhsmith.umd.edu, Subramanian Raghavan, Abhishek Pani, Abhishek Pani

2 - Analysis Of Competitive Pricing With Multiple Overlapping Competing Bids In Revenue Management
Goutam Dutta, Professor, Indian Institute of Management, House No 407, Iima Old Campus, Vastrapur, Ahmedabad, 380015, India, goutam@iima.ac.in

3 - Markov Chain Models For Controlling The Frequency Distribution Of Online Advertising
Seyed Ali Hojjat, University of New Hampshire, Durham, NH, United States, ali.hojjat@unh.edu, John G Turner

4 - Planning Online Advertising Using Lorenz Curves
John G Turner, University of California - Irvine, Irvine, CA, United States, john.turner@uci.edu, Miguel A Lejeune

■ TC43

208A-MCC

Decision Making in Public Policy

Sponsored: Decision Analysis

Sponsored Session

Chair: Cameron MacKenzie, Iowa State University, Ames, IA, United States, camacken@iastate.edu

1 - Hurricane Decision Simulator
Eva D Regnier, Naval Postgraduate School, eregnier@nps.edu, Cameron MacKenzie, Eric S Hodson

2 - Subsidizing Cybersecurity Information Sharing: A Game Between A Government And N-Companies
Ali Pala, University at Buffalo, Buffalo, NY, 14260, United States, alipala@buffalo.edu
Ali Pala, Turkish Military Academy, Devlet Mahallesi, Bakanlıklar, Ankara, Turkey, alipala@buffalo.edu, Jun Zhuang

3 - Resource Allocation Decisions With Deep Uncertainty
Cameron MacKenzie, Iowa State University, camacken@iastate.edu

4 - Economic Contagion And The Role Of Beliefs: Findings From A Borrower-lender Game
Jonathan William Welburn, University of Wisconsin - Madison, welburn@wisc.edu

■ TC44

208B-MCC

Decisions, Sensitivity and Applications

Sponsored: Decision Analysis

Sponsored Session

Chair: Emanuele Borgonovo, Bocconi University, Via Roentgen 1, Milano, 20833, Italy, emanuele.borgonovo@unibocconi.it

1 - Strength Of Preferences In Repeated Prospects
Alessandra Cillo, Assistant Professor, Bocconi University, Milan, 20146, Italy, alessandra.cillo@unibocconi.it, Enrico G De Giorgi

2 - Tolerance Sensitivity And Maximum Regret In Linear Programming
Richard E. Wendell, University of Pittsburgh, Pittsburgh, PA, 15260, United States, wendell@katz.pitt.edu, Emanuele Borgonovo

3 - Randomized Differential Sensitivity
Sumeda Siriwardena, Bocconi University, sumeda.siriwardena@phd.unibocconi.it, Emanuele Borgonovo

4 - Estimating Strategic Impacts Of Foreclosed Housing Redevelopment Using Spatial Analysis
Michael Johnson, University of Massachusetts Boston, MA, michael.johnson@umb.edu

■ TC45

209A-MCC

Multi-Objective Optimization Via Simulation

Sponsored: Simulation

Sponsored Session

Chair: Susan R Hunter, Purdue University, West Lafayette, IN, United States, susanhunter@purdue.edu

Co-Chair: Enlu Zhou, Georgia Institute of Technology, na, Atlanta, GA, na, United States, enlu.zhou@isye.gatech.edu

1 - A Partition-based Random Search For Stochastic Multi-objective Optimization Via Simulation
Loo Hay Lee, National University of Singapore, Singapore, Singapore, iseleelh@nus.edu.sg, Weizhi Liu, Siyang Gao

2 - An Assessment Of Model Based Methods In Multi-objective Optimization
Joshua Hale, Georgia Institute of Technology, 755 Ferst Drive, NW, Atlanta, GA, Atlanta, GA, United States, jhale32@gatech.edu, Helin Zhu, Enlu Zhou

3 - On Multi-objective Ranking And Selection Methods
Susan Hunter, Purdue University, susanhunter@purdue.edu, Guy Feldman, Raghu Pasupathy

4 - Precision Irrigation System Optimization Using Subsurface Water Retention Technology For Multiple Conflicting Objectives
Kalyanmoy Deb, Michigan State University, kdeb@egr.msu.edu

■ TC46

209B-MCC

Empirical and Data-Driven Studies in Revenue Management and Pricing

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Jun Li, Ross School of Business, University of Michigan, Ann, MI, United States, junwli@umich.edu

Co-Chair: Serguei Netessine, INSEAD, Singapore, Singapore, serguei.netessine@insead.edu

1 - Compete With Many: Price Competition In High Dimensional Space
Jun Li, Ross School of Business, University of Michigan, junwli@umich.edu, Serguei Netessine, Sergei Koulayev

2 - Randomized Markdowns And Online Monitoring
Ken Moon, The Wharton School, Philadelphia, PA, United States, kenmoon@wharton.upenn.edu, Kostas Bimpikis, Haim Mendelson

3 - A Nonparametric Approach To Learning Mixture Models
Srikanth Jagabathula, NYU Stern, sjagabat@stern.nyu.edu, Lakshminarayanan Subramanian, Ashwin Venkataraman

4 - Leveraging Inventory In Profit Maximization For Personalized Online Bundle Pricing Recommendation
Anna M Papush, Massachusetts Institute of Technology, 1 Amherst Street, Cambridge, MA, 02139, United States, apapush@mit.edu, Pavithra Harsha, Georgia Perakis

■ TC47

209C-MCC

Choice-based Demand and Strategic Consumers

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Gustavo Vulcano, New York University, 44 West Fourth St, Suite 8-76, New York, NY, 10012, United States, gvulcano@stern.nyu.edu

1 - Predicting Individual Customer Responses To Product Promotions
Dmitry Mitrofanov, NYU, dm3537@stern.nyu.edu, Srikanth Jagabathula, Gustavo Jose Vulcano

2 - The Heteroscedastic Exponomial Choice Model
Aydin Alptekinoglu, Penn State, aydin@psu.edu, John H Semple

3 - Assortment Optimization With Product Costs And Constraints
Sumit Kunnumkal, ISB, sumit_kunnumkal@isb.edu, Victor Martinez de Albeniz

4 - Optimal Pricing In Continuous Time
José Correa, University of Chile, Santiago, Chile, correa@uchile.cl

■ TC48

210-MCC

Social Media Analysis IV

Invited: Social Media Analytics

Invited Session

Chair: Anandasivam Gopal, University of Maryland, Smith School of Business, College Park, MD, 11111, United States, agopal@rhsmith.umd.edu

1 - Extraction Of Adverse Events From Social Media
Lina Zhou, University of Maryland-Baltimore County, 1000 Hilltop Circle, Baltimore, MD, 21250, United States, zhoul@umbc.edu, Yin Kang

2 - When It Rains, It Pours: Effect Of Social Media On Stock Price Behavior During Firm Crises
Soo Jeong Hong, Michigan State University, 404 Wilson Rd, Room 311, East Lansing, MI, 48824, United States, hongsoo3@msu.edu, Kwangjin Lee

3 - Networked Pattern Recognition Frameworks For Understanding And Detecting Future Terrorism Threats
Salih Tutun, Turkish Military Academy, and Binghamton University, 4400 Vestal Pkwy E, Binghamton, NY, 13850, United States, slh.tutun@gmail.com, Mohammad Khasawneh

■ TC49

211-MCC

Experiential Field Learning

Sponsored: Education (INFORMED)

Sponsored Session

Chair: Benjamin Grannan, Virginia Military Institute, Lexington, VA, United States, grannanbc@vmi.edu

1 - A Survey Of Issues And Best Practices In Field-based Education
Michael F Gorman, University of Dayton, michael.gorman@udayton.edu

2 - A Toolkit To Facilitate Quality Work In Field Courses
Patrick S. Noonan, Emory University, Atlanta, GA, United States, patrick.noonan@emory.edu

3 - Supervising Undergraduate Field Based Analytics Projects
Benjamin Grannan, Virginia Military Institute, grannanbc@vmi.edu

■ TC50

212-MCC

SpORts: Sports Analytics I

Sponsored: SpORts

Sponsored Session

Chair: Stephen Hill, University of North Carolina Wilmington, 601 South College Road, Wilmington, NC, 28403-5611, United States, hills@uncw.edu

1 - Do Pitchers Differ on Batting Average on Balls In Play or Defense Independent Slugging Percentage?
Matthew Hall, University of Alabama, Culverhouse College of Commerce and Business Administration, Tuscaloosa, AL, 35487-0226, United States, mjhall5@crimson.ua.edu, James Cochran

2 - Are You Ready For Some Football? An Analysis Of Monday Night Football Viewership
Bhupesh Shetty, University of Iowa, bhupesh-shetty@uiowa.edu

3 - A Handicap System For Tennis
Timothy Chan, University of Toronto, Toronto, ON, Canada, tcychan@mie.utoronto.ca, Raghav Singal

4 - Does The Current Golf Handicap System Bias Match Play Outcomes?
Martin L Puterman, Professor Emeritus, University of British Columbia, Sauder School of Business, 2053 Main Mall, Vancouver, BC, V6T 1Z2, Canada, martin.puterman@sauder.ubc.ca, Timothy Chan, David Madras

■ TC51

213-MCC

Modeling Complex Systems in Education

Sponsored: Public Sector OR

Sponsored Session

Chair: Roxanne Moore, Georgia Institute of Technology, 1, Atlanta, GA, 30333, United States, roxanne.moore@gatech.edu

1 - Applying System Dynamics Models To Steam Interventions
Michael Helms, Georgia Tech, michael.helms@gatech.edu

2 - Modeling Interventions In Complex Educational Systems
Britte H Cheng, SRI International, Menlo Park, AL, United States, britte.cheng@sri.com

3 - Education as a Complex System: Opportunities, Challenges, and Perspectives
Mirsad Hadzikadic, University of North Carolina, Charlotte, NC, United States, mirsad@uncc.edu

■ TC52

214-MCC

Urban Transportation and Logistics in Public Sector OR II

Sponsored: Public Sector OR

Sponsored Session

Chair: Sung Hoon Chung, Binghamton University, PO Box 6000, Binghamton, NY, 13902, United States, schung@binghamton.edu

1 - A New Fast Algorithm For The Time-expanded Network Of Dynamic Building Evacuation
Dong-jin Noh, Postech, Pohang, Korea, Republic of, visionph@postech.ac.kr, Chang Hyup Oh, Young Myoung Ko, Byung-In Kim

2 - Human In The Loop Optimization For Recovery From Extreme Events
Aybike Ulusan, Northeastern University, Boston, MA, 02115, United States, ulusan.a@husky.neu.edu, Ozlem Ergun

3 - Clearing Roads And Collecting Debris By Integrating Remote Sensing Technique And Vrp
Eunsu Lee, New Jersey City University, ELee3@njcu.edu

4 - Disaster Relief Routing under Uncertainty
Sung Hoon Chung, Binghamton University, 4400 Vestal Parkway East, Binghamton, NY, 13902, United States, schung@binghamton.edu, Yinglei Li

■ TC53

Music Row 1- Omni

Management of Product and Service Innovation

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Chair: Juliana Hsuan, Professor, Copenhagen Business School, Solbjerg Plads 3, B.5.27, Frederiksberg, DK-2000, Denmark, jh.om@cbs.dk

1 - Linking The Firm's Internal Innovation Context With Commercialization Choices
Lee Davis, Copenhagen Business School, ld.ino@cbs.dk, Karin Hoisl, Jerome Davis

2 - Managing External Intellectual Capital In New Product Development: The Case For Ontological Semantic Analysis Of Patent Data
Charles Weber, Portland State University, webercm@pdx.edu, Farshad Madani, Nitin Mayande

3 - Logistics Service Performance In Nova Scotia: Facilitators, Barriers, And Measurement
M. Ali Ulku, Rowe School of Business, Dalhousie University, Halifax, NS, B3H3S7, Canada, ulku@dal.ca, Horand I. Gassmann, Michael Foster

4 - Management Of Service And R&D Portfolios
Kai Basner, PhD Candidate, Copenhagen Business School, Solbjerg Plads 3, Frederiksberg, DK-2000, Denmark, kba.om@cbs.dk, Thomas Frandsen, Jawwad Raja, Juliana Hsuan

■ TC54

Music Row 2- Omni

Service Science: Best Cluster Paper Presentation

Sponsored: Service Science

Sponsored Session

Chair: Paul Maglio, University of California, Merced, 5200 N Lake Rd, Merced, CA, 95343, United States, pmaglio@ucmerced.edu

1 - Scheduling Promotion Vehicles To Boost Profits
Lennart Baardman, Massachusetts Institute of Technology, Cambridge, MA, United States, baardman@mit.edu, Maxime Cohen, Georgia Perakis, Kiran Panchamgam, Segev Danny

2 - Optimizing Precision In Machine Learning Models For Actionable Predictions Of Revenue Change
Abhinav Maurya, Carnegie Mellon University, 5634 Stanton Avenue, Apt 306, Pittsburgh, PA, 15206, United States, ahmaurya@cmu.edu, Aly Megahed, Ray Strong, Jeanette Blomberg, Alaa Elwany

3 - Data Analytics Approaches For Winning Service Contracts: Development And Impacts on Practice
Aly Megahed, IBM Research - Almaden, San Jose, CA, 95123, United States, aly.megahed@us.ibm.com, Taiga Nakamura, Kugamoorthy Gajananan, Mark Smith, Gregory Heim

4 - Welfare Implications Of Congestion Pricing: Evidence from SFpark
Hsin-Tien Tsai, University of California, Berkeley, 1822 Francisco St., Apt 4, Berkeley, CA, 94703, United States, hsintien@berkeley.edu, Pnina Feldman, Jun Li

5 - On a Variation Of Two-part Tari Pricing Of Services: A Data Driven Approach
Charles Thraves, Massachusetts Institute of Technology, Cambridge, MA, United States, cthraves@mit.edu, Georgia Perakis

■ TC55

Music Row 3- Omni

Inventory Management V

Contributed Session

Chair: Hueon Lee, PhD Candidate, University of Arkansas, 4207 Bell Engineering Center, 1 University of Arkansas, Fayetteville, AR, 72701, United States, hueonlee@uark.edu

1 - Long Term Outsourcing Under Stochastic Learning And Information Asymmetry
Ting Luo, UT Dallas, 7208 Fair Valley Way, Plano, TX, 75024, United States, tingluo2006@gmail.com

2 - Selling Luxury Fashion Online With Social Influences
Bin Shen, Donghua University, Xuri Building, 1882 Yanan Road,, Donghua University, Shanghai, China, binshenjerry@gmail.com

3 - A Multi-product Dynamic Block Stacking Problem With Deterministic Demand
Hueon Lee, PhD Candidate, University of Arkansas, 4207 Bell Engineering Center, 1 University of Arkansas, Fayetteville, AR, 72701, United States, hueonlee@uark.edu, Kelly Sullivan, John A White

■ TC56

Music Row 4- Omni

Managing Sales in On-demand Economy

Sponsored: EBusiness

Sponsored Session

Chair: Michelle Wu, Washington State University, WA, United States, michelle.wu@wsu.edu

1 - We Are On The Way: Analysis Of On- Demand Booking Systems
Guiyun Feng, Student, University of Minnesota, 1006 27th Avenue SE, Apt E, Minneapolis, MN, 55414, United States, yunny.feng@gmail.com, Guangwen (Crystal) Kong, Zizhuo Wang

2 - Conform Or To Be Cast Out: Quantifying The Effect Of Platform Endorsement And Consumer Generated Reputation In Online Service Marketplace Demand System
Yong Tan, University of Washington, ytan@uw.edu, Jinyang Zheng, Youwei Wang

3 - Measuring Consumer Surplus In The On Demand Economy The Case Of Ride Sharing
Meng Liu, MIT Sloan, Cambridge, MA, United States, mengliu@mit.edu

4 - Mobility Analytics For Parking Support
Michelle Wu, Washington State University, michelle.wu@wsu.edu, Zachary Owen, David Simchi-Levi

■ TC57

Music Row 5- Omni

New Topics in Behavioral Operations

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Leon Matias Valdes, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA, 02139, United States, lvaldes@mit.edu

1 - Observational Learning Through Inventory Availability Information: Empirical And Field Evidence
Ruomeng Cui, Kelley School of Business, Indiana University, Bloomington, IN, 47401, United States, cuir@indiana.edu, Achal Bassamboo, Dennis Zhang

2 - The Decision To Recall: A Behavioral Investigation In The Medical Device Industry
George Ball, Indiana University, Kelley School of Business, gpball@indiana.edu, Karen L Donohue, Rachna Shah

3 - The Behavioral Impact Of Queueing Visibility On Server Effort Allocation.
Yaroslav Rosokha, Purdue University, yaroslav.rosokha@gmail.com, Masha Shunko, Julie Niederhoff

4 - Supply Chain Visibility And Social Responsibility: Investigating Consumers' Behaviors And Motives
Leon Valdes, Massachusetts Institute of Technology, lvaldes@mit.edu, Tim Kraft, Yanchong Zheng

■ TC58

Music Row 6- Omni

Energy XII

Contributed Session

Chair: Kenneth Bruninx, Post-doctoral researcher, KU Leuven, Leuven, Belgium, kenneth.bruninx@kuleuven.be

1 - The Relationship Between Energy Consumption And Economic Development
Yuan Qian, Tsinghua University, Beijing, China, qiany14@mails.tsinghua.edu.cn, Pingke Li

2 - Applying The Modern Portfolio Theory For A Dynamic Energy Portfolio Allocation In The Electricity Markets
Reinaldo Crispiniano Garcia, Associate Professor, University of Brasilia - UnB, Faculty of Technology, Industrial Engineering Department, Brasilia, 70904-970, Brazil, rcgar@yahoo.com, Javier Contreras, Janiele Custodio, Virginia Gonzalez

3 - Carbon Dioxide Source Selection And Analysis
Xin Li, Pennsylvania State University, University Park, PA, 16803, United States, xzl118@psu.edu, Jose Antonio Ventura, Luis F. Ayala H., Uday Shanbhag

4 - Cooptimization Of Series Facts Device Set Points And Generation Dispatch
Mostafa Sahraei-Ardakani, Assistant Professor, University of Utah, 1249 E Spence Avenue, Apt 242, Salt Lake City, UT, 85281, United States, mostafa.ardakani@utah.edu

5 - A Probabilistic Unit Commitment Model
Kenneth Bruninx, Post-doctoral researcher, KU Leuven, Leuven, Belgium, kenneth.bruninx@kuleuven.be, Erik Delarue

■ TC59

Cumberland 1- Omni

Robust and Reliable Optimization in Transportation and Logistics

Invited: Transportation Science & Logistics

Invited Session

Chair: Ehsan Jafari, University of Texas, Hart Lane, Austin, TX, 78731, United States, ejafari@utexas.edu

1 - Multicriteria Shortest Path Problem For Electric Vehicles In Stochastic Networks
Ehsan Jafari, University of Texas, Hart Lane, Austin, TX, 78731, United States, ejafari@utexas.edu, Stephen Boyles

2 - Reliability Of Transit Connections For Informed Traveler Decision-making
Michael Redmond, University of Iowa, Iowa City, IA, 52240, United States, michael-a-redmond@uiowa.edu, Ann Melissa Campbell, Jan Fabian Ehmke

3 - Stochastic Multi-period Orienteering With Time Windows And Uncertain Customer Adoption
Shu Zhang, Chongqing University, Chongqing, China, zhangshu@cqu.edu.cn, Jeffrey W Ohlmann, Barrett Thomas

4 - Application Of A Robust Approach For Vessel Crew Scheduling
Seda Sucu, University of Strathclyde, 130 Rottenrow Gardens, Sir Willam Duncan Building, Glasgow, G4 0QE, United Kingdom, seda.sucu@strath.ac.uk, Kerem Akartunali, Robert van der Meer

■ TC60

Cumberland 2- Omni

Network Optimization for Efficiency, Sustainability and Resilience

Sponsored: TSL, Urban Transportation

Sponsored Session

Chair: Mohammadali Shirazi, TAMU, College Station, TX, United States, alishirazi@email.tamu.edu

1 - A Fast Method To Estimate The Minimal Revenue Tolls In Large-scale Roadway Networks
Mohammadali Shirazi, TAMU, alishirazi@email.tamu.edu

2 - Pothole Repair Planning
Fatemeh Aarabi, University at Buffalo, faarabi@buffalo.edu

3 - Joint Optimization Of Traffic Rationing Schemes And Transit Services Under Environmental And Mobility Considerations
Daniel Rodriguez Roman, URPM, daniel.rodriguez6@upr.edu

4 - Modeling And Enhancing The Resilience Of Complementary Transportation Systems
Saumya Sangoi, Purdue University, West Lafayette, IN, 47906, United States, ssangoi@purdue.edu, Xiaozheng He, Srinivas Peeta

■ TC61

Cumberland 3- Omni

Stochastic Network Design

Sponsored: TSL, Freight Transportation & Logistics

Sponsored Session

Chair: Mike Hewitt, Loyola University Chicago, NA, Chicago, IL, NA, United States, mhewitt3@luc.edu

1 - Scheduled Service Network Design With Stochastic Travel Times
Teodor Gabriel Crainic, Professor, Universite du Quebec a Montreal, Case postale 8888, succursale Centre-ville, Montreal, QC, H3C 3P8, Canada, TeodorGabriel.Crainic@cirrelt.net, Giacomo Lanza, Nicoletta Ricciardi, Walter Rei

2 - Multi-commodity Stochastic Network Design
Stein W Wallace, Norwegian School of Economics, stein.wallace@nhh.no, Stein W Wallace, University of Sichuan, Chengdu, China, stein.wallace@nhh.no, Congshi Sun

3 - Dynamic Load Planning For Less-than-truckload Carriers
Luke Marshall, Georgia Institute of Technology, Atlanta, GA, United States, luke.jonathon.marshall@gmail.com, Martin W P Savelsbergh, Natashia Boland, Alan Erera, Iman Dayarian

4 - Stochastic Interdependent Network Design Problem
Andrés D González, Rice University, 6100 Main St., MS-318, Houston, TX, 77005, United States, andres.gonzalez@rice.edu Andrés D González, Universidad de los Andes, Bogota, Colombia, andres.gonzalez@rice.edu, Leonardo Dueñas-Osorio, Andres L Medaglia, Mauricio Sánchez-Silva, Andrew J Schaefer

■ TC62

Cumberland 4- Omni

Robust and Low Cost Airline Operations under Uncertainty and Disruptions

Sponsored: Aviation Applications

Sponsored Session

Chair: Heng Chen, University of Nebraska-Lincoln, Supply Chain Management and Analytics, Lincoln, NE, 68588, United States, Supply Chain Management and Analytics

1 - Incorporating Downstream Disruptions In Robust Planning And Recovery
Jeremy Castaing, PhD Student, University of Michigan, 1205 Beal Avenue, 2753 IOE Building, Ann Arbor, MI, 48109-2117, United States, jctg@umich.edu, Amy Cohn

2 - Lower Cost Airport Departure Operations Under The Departure Metering Concept
Heng Chen, Assistant Professor, University of Nebraska–Lincoln, Lincoln, NE, 68588, United States, heng@unl.edu, Senay Solak

3 - On The Competition Intensity Of U.s. Airline Market With Fuel Cost Fluctuations
Soheil Sibdari, University of Massachusetts, Charlton College of Business,, Dartmouth, MA, 0, United States, ssibdari@umassd.edu

■ TC63

Cumberland 5- Omni

Location Analysis I

Sponsored: Location Analysis

Sponsored Session

Chair: Dmitry Krass, University of Toronto, 105 St. George Street, Toronto, ON, M5S 3E6, Canada, krass@rotman.utoronto.ca

1 - Random Attractiveness Level In Huff's Competitive Model
Tammy Drezner, California State University-Fullerton, Steven G. Mihaylo College of Business and Economics, 800 N State College, Fullerton, CA, 92834, United States, tdrezner@fullerton.edu, Dawit Zerom, Zvi Drezner

2 - An Alternative Solution For The Time-difference-of Arrival (TDOA) Location Problem
Lin Dearing, Clemson University, 520 Bentbrook Lane, Clemson, SC, 29631, United States, pmdrn@clemson.edu

3 - Optimal Addition Of A New Facility To The Existing Network. Planar Continuous Demand Case
Dmitry Krass, University of Toronto, Toronto, ON, Canada, krass@rotman.utoronto.ca, Jonathan Lorraine

4 - Joint Optimization Of Location And Design Of New Facilities
Dmitry Krass, University of Toronto, krass@rotman.utoronto.ca, Robert Aboolian, Oded Berman

■ TC64

Cumberland 6- Omni

Multiple Criteria Decision Making Applications I

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Banu Lokman, Middle East Technical University, Ankara, Turkey, lbanu@metu.edu.tr

1 - An Interactive Approach To Design Parameter Optimization Considering Response Surface Prediction Errors
Melis Ozates, Middle East Technical University, Çankaya/Ankara, 06800, Turkey, mozates@metu.edu.tr, Gulser Koksal, Murat Mustafa Koksalan

2 - Prioritization Of Military Threats For Ground Based Air Defense By Analytic Hierarchy Process
Gulser Koksal, Middle East Technical University, Ankara, Turkey, koksal@metu.edu.tr, Omer Kirca, Can B. Cetin, Derya Dinler, Derya Ipek Eroglu, Gulten Gokayaz

3 - Finding Representative Nondominated Sets For Multi-objective Integer Programs
Banu Lokman, Middle East Technical University, lbanu@metu.edu.tr, Gokhan Ceyhan, Murat Mustafa Koksalan

4 - Issues In Selecting A Representative Set For Multi-objective Integer Programs
Sami Serkan Ozarik, ASELSAN, ssozarik@hotmail.com, Banu Lokman, Murat Mustafa Koksalan

■ TC65

Mockingbird 1- Omni

Topics on Internet Economics

Sponsored: Information Systems

Sponsored Session

Chair: Hossein Ghasemkhani, Purdue University, Purdue University, West Lafayette, IN, 47907, United States, hossein@purdue.edu

1 - Ad-blockers, Publishers And The Internet: A Study On The Economic Implications Of Ad-blockers
Abhishek Ray, Purdue University, ray52@purdue.edu

2 - The Advertising Big Picture: Analyzing The Cross Platform Synergies Between TV And Online Advertising
Mohammed Alyakoob, Purdue University, alyakoob@purdue.edu

3 - Social Influence In Public And Private Behaviors
Shan Huang, MIT, shanh@mit.edu

4 - Labor Market Risk And Technological Investment
Daniel Rock, MIT, Cambridge, MA, 02114, United States, drock@mit.edu, Prasanna Tambe

■ TC66

Mockingbird 2- Omni

Networked System Reliability and Resilience

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Chi Zhang, Tsinghua University, Tsinghua University, Beijing, 100084, China, czhang@tsinghua.edu.cn

1 - Resilience Optimization Of Interdependent Critical Infrastructure Systems Under Multiple Hazards
Min Ouyang, Huazhong University of Science and Technology, min.ouyang@hust.edu.cn

2 - Multi-dimensional Vulnerability Of Public Transportation Services Provided To Urban Residential Communities In China
Liu Hong, Associate Professor, Huazhong University of Science and Technology, Wuhan, 430074, China, liu.hong@hust.edu.cn, Min Ouyang, Xiaozheng He, Yongze Yan

3 - Modeling And Visualizing Reliability In An Urban Bicycle Sharing Program
Gabriela Góngora-Svartzman, Stevens Institute of Technology, Hoboken, NJ, 07030, United States, ggongora@stevens.edu, Jose Emmanuel Ramirez-Marquez, Kash Barker

4 - A New Approach For Approximating Complex Network Reliability
Huaxing Zhu, Tsinghua University, Beijing, 100084, China, zhuhx15@mails.tsinghua.edu.cn, Chi Zhang

■ TC67

Mockingbird 3- Omni

Industrial Big Data System

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Ran Jin, Virginia Tech, Blacksburg, VA, United States, jran5@vt.edu

Co-Chair: Hui Wang, Florida State University, 2525 Pottsdamer St, B-373D, Tallahassee, FL, 32310, United States, hwang10@fsu.edu

1 - Manufacturing Modeling And Interpretation Via Natural Language Processing Techniques
Hongyue Sun, Virginia Tech, hongyue@vt.edu

2 - Monitoring E-commerce Reviews By Discovering Hidden Rating Criterion
Ke Zhang, Hong Kong University of Science and Technology, kzhangah@connect.ust.hk

3 - Classification Based Approach To Nanorod Segmentation In Scanning Electron Micrographs
Mostafa Gilanifar, Florida State University, Tallahassee, FL, United States, mg14m@my.fsu.edu, Abhishek Shrivastava

4 - An Order-invariant Cholesky-log-garch Model For Multivariate Financial Time Series
Xinwei Deng, Associate professor, Virginia Tech, 211 Hutcheson Hall, 250 Drillfield Drive, Blacksburg, VA, 24060, United States, xdeng@vt.edu, Xiaoning Kang, Kam-Wah Tsui, Mohsen Pourahmadi

■ TC68

Mockingbird 4- Omni

Reliability Evaluation and Optimization from Complex Systems II

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Eunshin Byon, University of Michigan, College Station, MI, United States, ebyon@umich.edu

Co-Chair: Qingyu Yang, Wayne State University, Detroit, MI, United States, qyang@wayne.edu

1 - Reliability Estimation Of Systems With Spherically Distributed Units
Jingbo Guo, Rutgers, The State University of New Jersey, guojingbochina@gmail.com, Elsayed A. Elsayed

2 - Condition-based Selective Maintenance Optimization For A Large-scale System
Young Myoung Ko, Pohang University of Science and Technology, youngko@postech.ac.kr, Eunshin Byon

3 - A Two-stage Structural Degradation Modeling In Sparse Datasets
Abdallah Chehade, University of Wisconsin - Madison, chehade@wisc.edu, Kaibo Liu

4 - Title: Resistance Level Determination At The Reliability-based System Design
Qiyun Pan, University of Michigan, qiyun@umich.edu, Eunshin Byon

■ TC69

Old Hickory- Omni

Airports, Runways, and Descents

Sponsored: Aviation Applications

Sponsored Session

Chair: Emad Alharbi, NJIT, 8 Gordon Cir, Parsippany, NJ, 07054, United States, eaa3@njit.edu

1 - An Airport Scheduling Mechanism Based On Efficiency, Equity And On-time Performance Objectives
Alexandre Jacquillat, Assistant Professor of Operations Research, Carnegie Mellon University, 5000 Forbes Ave, Pittsburgh, PA, 15213, United States, ajacquil@andrew.cmu.edu, Vikrant Vaze

2 - Integration Of Airport Runway And Taxi Planning
Giuseppe Sirigu, ETS Ingeniería Aeronáutica y del Espacio, Dep Matemática Aplicada Ingenieria Aeroespaci, Plaza Cardenal Cisneros 3, Madrid, 28040, Spain, angel.marin@upm.es, John-Paul Clarke, Angel Marin

3 - Departure Queue Management - A Data Driven Analysis
Marc Rose, Senior Operations Research Analyst, MCR Federal, LLC, 600 Maryland Ave, 306E, Washington, DC, 20024, United States, mrose@mcri.com

4 - Continuous Descent Arrival Adoption During High Traffic Periods: A Data-driven And Predictive Modeling Approach
Emad Alharbi, PhD Candidate, New Jersey Institute of Technology, Newark, NJ, 07102, United States, eaa3@njit.edu, Layek Abdel-Malek

■ TC70

Acoustic- Omni

Transportation, Planning II

Contributed Session

Chair: Bruce C Hartman, Professor, University of St Francis, 684 Benicia Drive #50, Santa Rosa, CA, 95409, United States, bruce@ahartman.net

1 - Modeling Wet Pavement Crashes
Michael Anderson, Professor, UAH, Civil Engineering, Huntsville, AL, 35899, United States, andersmd@uah.edu, Mehrnaz Doustmohammadi

2 - A Framework For Intelligent Decision Support System For Traffic Congestion Management System
Mohamad kamal El Din Ahmad Hasan, Professor of Operations and Supply Chain Manag, Dept. of Quantitative Methods and Information Systems, CBA, Kuwait University, Department of Quantitative Methods and Information Systems, College of Business Administration, Kuwait University, P.O. Box 5486, Safat 13055, Kuwait City, 13055, Kuwait, mkamal@cba.edu.kw

3 - Locating Emergency Vehicles With An Approximate Queueing Model And A Meta-heuristic Solution Approach
M. Altan Akdogan, Research Assistant, Middle East Technical University, Ankara, Turkey, aaltan@metu.edu.tr, Z Pelin Bayindir, Cem Iyigun

4 - Toll Road Profit Maximization Under Mixed Travel Behaviors Of Cars And Trucks
Xiaolei Guo, Associate Professor, University of Windsor, Odette School of Business, 401 Sunset Avnue, Windsor, ON, N9B 3P4, Canada, guoxl@uwindsor.ca, Da Xu, Guoqing Zhang

5 - Transportation, Jobs And Social Networks
Bruce C Hartman, Professor, University of St Francis, 684 Benicia Drive #50, Santa Rosa, CA, 95409, United States, bruce@ahartman.net
Bruce C Hartman, Professor, California State University Maritime, 200 Maritime Academy Drive, Vallejo, CA, 94590, United States, bruce@ahartman.net

■ TC71

Electric- Omni

Vehicle Routing IV

Contributed Session

Chair: Jimena A. Pascual, P. Universidad Católica de Valparaíso, Valparaíso, Chile, jimena.pascual@pucv.cl

1 - Using Drones To Minimize Waiting Times Of Customers
Mohammad Moshref-Javadi, PhD Candidate, Purdue University, School of Industrial Engineering, 315 N. Grant St., West Lafayette, IN, 47907, United States, moshref@purdue.edu, Seokcheon Lee

2 - A Mathematical Programming Framework That Integrates Customer Decisions Within The Distribution Planning Of Petroleum Products
Yan Cheng Hsu, University at Buffalo, SUNY, 412 Bell Hall, Buffalo, NY, 14260, United States, yhsu8@buffalo.edu, Jose Luis Walteros, Rajan Batta

4 - Solving Multi Period Multi Traveling Salesmen Problem With Time Windows: Comparison Of Heuristic Approaches
Haluk Yapicioglu, Assist. Prof. Dr., Anadolu University, Anadolu Universitesi Yunusemre Kampusu, Proje Birimi Ogrenci Merkezi Kat: 1, Eskisehir, 26470, Turkey, hyapicio@anadolu.edu.tr

5 - Optimal Routing Of Unmanned Aerial Vehicles In Wind Fields
Jimena A. Pascual, P. Universidad Católica de Valparaíso, Valparaíso, Chile, jimena.pascual@pucv.cl, Ricardo A. Gatica, Andrea Leticia Arias, Andrea Leticia Arias, Kundu Abhishake, Darío Canut De Bon, Timothy I Matis

■ TC72

Bass- Omni

Supply Chain Mgt XI

Contributed Session

Chair: Fang Fang, California State University, LA, 1250 S Alhambra Circle, Apt 18, LA, CA, 33146, United States, f.fang@umiami.edu

1 - Traceability And Supply Chain Design
John F Kros, Vincent K. McMahon Distinguished Professor, East Carolina University, College of Business Dept of M&SCM, 3205 Harold Bate Building, Greenville, NC, 27858-4353, United States, krosj@ecu.edu, James Zemanek, Jon Kirchoff

2 - Developing A Novel Service-part Classification Approach For Large-scale Multi-echelon Replenishment System
Alireza Sheikhzadeh, PhD Candidate, University of Arkansas, 4207 Bell Engineering Center, Fayetteville, AR, 72701, United States, asheikhz@uark.edu, Manuel D Rossetti

3 - How To Get The Conflict Out Of The Mineral Supply Chain
Han Zhang, Student, Kelley School of Business, Indiana University Bloomington, IN, 47408, United States, hz8@indiana.edu, Goker Aydin, H. Sebastian Heese

4 - Sourcing And Procurement Coordination In Multi-division Firms
Fang Fang, California State University, LA, 1250 S Alhambra Circle, Apt 18, LA, CA, 33146, United States, f.fang@umiami.edu, Harihara Natarajan

■ TC73

Legends A- Omni

Operations Management III

Contributed Session

Chair: Sanchoy Das, New Jersey Institute of Technology, University Heights, Newark, NJ, 7102, United States, das@njit.edu

1 - Design Of Operational Policies To Reduce Boarding Time In Emergency Departments
Cheng Zhu, McGill University, 701-801 Sherbrooke Est, Montreal, QC, H2L 0B7, Canada, cheng.zhu@mail.mcgill.ca, Beste Kucukyacizi

2 - Efficient Business Operations In A Poultry Firm
Sanjeev K Bordoloi, University of St. Thomas, Opus College of Business, 1000 LaSalle Avenue, TMH 443, Minneapolis, MN, 55403, United States, sbordoloi@stthomas.edu, Jahnavi Indukuri, Indukuri Srinivas Varma

3 - Advanced Orders Picking Heuristics For Internet Fulfillment Warehouses With And Explosive Storage Policy
Sanchoy Das, New Jersey Institute of Technology, University Heights, Newark, NJ, 07102, United States, das@njit.edu, Sevilay Onal

■ TC74

Legends B- Omni

Optimization Methodology III

Contributed Session

Chair: Mahamaya Mohanty, Research Scholar, IIT Delhi, Shaheed Jeet Singh Marg, New Delhi, 110016, India, mahamayamohanty@gmail.com

1 - Service Network Design With Heterogeneous Resource Constraints: Branch-and-price Approach
Kai Wei, PhD, Tongji University, Siping Road, Shanghai, China, 0359weikai@tongji.edu.cn

2 - Selective Linearization For Multi-block Convex Optimization
Yu Du, PhD Candidate, Rutgers University, 100 Rockafeller Road, Piscataway, NJ, 08854, United States, duyu@rutgers.edu, Andrzej Ruszczynski, Xiaodong Lin

3 - Globally Convergent Probability-one Homotopies For Linear Programs With Complementarity Constraints
Stephen C Billups, Associate Professor, University of Colorado Denver, Dept. of Mathematical & Statistical Sciences, Campus Box 170, P.O. Box 173364, Denver, CO, 80217-3364, United States, stephen.billups@ucdenver.edu

4 - Application Of Analytics In Modeling The Decision Making Perspectives Of Integrated Logistics In Supply Chain
Mahamaya Mohanty, Research Scholar, IIT Delhi, Shaheed Jeet Singh Marg, New Delhi, 110016, India, mahamayamohanty@gmail.com, Ravi Shankar

■ TC75

Legends C- Omni

Behavioral Operations III

Contributed Session

Chair: Sam Kirshner, UNSW Business School, Level 2, West Wing, Quadrangle Building, UNSW, Sydney, 2052, Australia, s.kirshner@unsw.edu.au

1 - The Price Of Privacy: Experimental Evidence For The Value Of Privacy With Respect To Social Norms
Rachel Cummings, California Institute of Technology, 1200 E California Boulevard, MC 305-16, Pasadena, CA, 91125, United States, rachelc@caltech.edu

2 - Behavioral Analysis Of Consumers' Purchase Timing Decision
Ilhan Emre Ertan, PhD Candidate, University of Texas at Dallas, 430 Southwest Pkwy., Apt 2102, College Station, TX, 77840, United States, emre.ertan@gmail.com

3 - A Behavioral Experiment On Sharing Advance Warning Of A Supply Chain Disruption
Sourish Sarkar, Assistant Professor, Pennsylvania State University - Erie, 5500 Copper Dr, Apt 104, Erie, PA, 16509, United States, sourishs@gmail.com, Sanjay Kumar

4 - The Behavioral Traps Of Making Multiple, Simultaneous, Newsvendor Decisions
Shan Li, Assistant Professor, Baruch College, City University of New York, Baruch College, 55 Lexington Avenue, New York, NY, 10010, United States, shan.li@baruch.cuny.edu, Kay-Yut Chen

5 - The Impact Of Reference Points On Supply Chain Coordination
Sam Kirshner, UNSW Business School, Level 2, West Wing, Quadrangle Building, UNSW, Sydney, 2052, Australia, s.kirshner@unsw.edu.au, Lusheng Shao

■ TC76

Legends D- Omni

Decision Analysis I

Contributed Session

Chair: Chih-Yang Tsai, Professor, State University of New York at New Paltz, 1 Hawk Drive, New Paltz, NY, 12561-2443, United States, tsaic@newpaltz.edu

1 - General Model For Dynamic Learning Ambiguity vs Bayesianism
Mohammad Rasouli, University of Michigan, 430 South Fourth Ave, Ann Arbor, MI, 48104, United States, rasouli@umich.edu

2 - Remove A Paradox In Data Envelopment Analysis
Dariush Khezrimotlagh, Dr., Miami University, Oxford, OH, 45056, United States, khezrid@miamioh.edu

3 - Reproducing Kernel Hilbert Space Approach To Stochastic Frontier Semiparametric Estimation
Carlos Felipe Valencia Arboleda, University of los Andes, Cra 1 Este No 19A - 40, Edificio Mario Laserna, Bogota, 11001000, Colombia, cf.valencia@uniandes.edu.co

■ TC77

Legends E- Omni

Opt, Integer Programing III

Contributed Session

Chair: John Shane Lyons, PhD Student, Western University-Ivey Business School, 23 Pine Ridge Drive, London, ON, N5X 3G7, Canada, jlyons.phd@ivey.ca

1 - Computer-assisted Discovery And Automated Proofs Of Cutting Plane Theorems
Yuan Zhou, University of California - Davis, One Shields Avenue, Davis, CA, 95616, United States, yzh@math.ucdavis.edu, Matthias Koeppe

2 - Mixed-integer Programming For Detecting Cycles In Non-reversible Markov Processes
Ambros Gleixner, Zuse Institute Berlin, Takustr. 7, Berlin, 14195, Germany, gleixner@zib.de, Isabel Beckenbach, Leon Eifler, Konstantin Fackeldey, Andreas Grever, Marcus Weber, Jakob Witzig

3 - Enhanced Equations For Linearizing Discrete Product For Generalized Programming Problems
Qi An, North Carolina State University, 2119A Gorman Street, Raleigh, NC, 27606, United States, nival.ann@gmail.com, Tiantian Nie, Shu-Cherng Fang

4 - A Farm-level Precision Land Management Model Based On Integer Programming
Qi Li, Iowa State University, 0076 Black Engineering, Ames, IA, 50010, United States, qili@iastate.edu, Guiping Hu, Zaki Jubery, Baskar Ganapathysubramanian

5 - Whistler-Blackcomb Mega Day As An Integer Programming Problem
John Shane Lyons, PhD Student, Western University-Ivey Business School, 23 Pine Ridge Drive, London, ON, N5X 3G7, Canada, jlyons.phd@ivey.ca

■ TC78

Legends F- Omni

Opt, Network III

Contributed Session

Chair: Oliver Lum, U of Maryland, College Park, 11604 Parkedge Drive, Rockville, MD, 20852, United States, oliver@math.umd.edu

1 - On The Complexity Of Sparse Maximum Flow Problems
Andrew Romich, Systems Engineer, Sandia National Laboratories, 4617 Gerrilyn Way, Apt 206, Apt. 206, Livermore, CA, 94550, United States, aromich@sandia.gov, Cole Smith, Guanghui Lan

2 - Mathematical Optimization For Managing Selective Catalytic Reduction For A Fleet Of Coal-fired Power Plants
Jay Michael Rosenberger, University of Texas-Arlington, Dept of Industrial Manuf Systems Eng, PO Box 19017, Arlington, TX, 76019, United States, jrosenbe@uta.edu, Antonio Alejandro Alanis

3 - The Deviation-flow Continuous Location Problem For A Single Refueling Station On A Tree Network
Sang Jin Kweon, PhD Candidate, Pennsylvania State University, 310 Leonhard Building, Industrial and Manufacturing Engineering, University Park, PA, 16802, United States, svk5333@psu.edu

4 - A Parametric Linear Programming Approach To A Cluster Ratio Based Hierarchical Consensus Clustering Algorithm
Victoria Ellison, North Carolina State University, 2152 Burlington Labs 2500 Stinson Dr., Raleigh, NC, 27695, United States, vmelliso@ncsu.edu, Yahya Fathi, Amy Langville

5 - A Hybrid Heuristic For The Windy Rural Postman Problem With a Time-Dependent Zigzag Option
Oliver Lum, U of Maryland, College Park, 11604 Parkedge Drive, Rockville, MD, 20852, United States, oliver@math.umd.edu, Rui Zhang, Bruce L Golden

■ TC79

Legends G- Omni

Opt, Stochastic III

Contributed Session

Chair: Md Abdul Quddus, PhD Student, Mississippi State University, Department of Industrial & Systems Engineering, PO Box 9542, Starkville, MS, 39762, United States, mq90@msstate.edu

1 - Multi-depot Fleet Dimensioning For Seasonal Stochastic Demand
Marcus V. Poggi, PUC-Rio, Rua M. S. Vicente 225, Rio de Janiero, 22591-900, Brazil, poggi@inf.puc-rio.br, Fabian Penaranda

2 - Scenario Generation Assessment For Stochastic Programs
Didem Sari, Iowa State University, 3219 Roy Key Avenue, Unit 207, Ames, IA, 50010, United States, dsari@iastate.edu, Sarah M Ryan

3 - Route Optimization: A Risk Averse Shortest Path Problem
Marcelo Ricardo Figueroa, Rutgers University, 93 Marvin Lane, Piscataway, NJ, 08854, United States, marcelo.figueroa@rutgers.edu, Melike Baykal-Gursoy

4 - Developing A CCHP-microgrid Operation Decision Model Under Uncertainty
Md Abdul Quddus, PhD Student, Mississippi State University, Department of Industrial & Systems Engineering, PO Box 9542, Starkville, MS, 39762, United States, mq90@msstate.edu, Carlos Marino, Mohammad Marufuzzaman, Mengqi Hu

■ TC86

Glbson Board Room-Omni

Marketing VII

Contributed Session

Chair: Rajeev Kumar Tyagi, Professor, University of California, Irvine, 5 Murasaki, Irvine, CA, 92697, United States, rktyagi@uci.edu

1 - Showrooming And The Length Of Product Line
Yilong Luo, Illinois Institute of Technology, 6716 Idaho Avenue, Hammond, IN, 46323, United States, yluo4@hawk.iit.edu, Jiong Sun

2 - A Model Of Cause-related Marketing
Sreya Kolay, Assistant Professor, University of California, Irvine, Irvine, CA, 92697, United States, skolay@uci.edu

3 - Optimal Pricing Of Multiple Events
Rajeev Kumar Tyagi, Professor, University of California, Irvine, 5 Murasaki, Irvine, CA, 92697, United States, rktyagi@uci.edu

■ TC87

Broadway A-Omni

Minority Issues Forum Paper Competition

Sponsored: Minority Issues

Sponsored Session

Chair: Karen T Hicklin, University of North Carolina at Chapel Hill, 308 Bynum Hall, Chapel Hill, NC, 27599, United States, khicklin@email.unc.edu

■ TC88

Broadway B-Omni

Service Science Best Student Paper Competition III

Award Session

Chair: Robin Qiu, Penn State University, 30 E. Swedesford Road, Malvern, PA, 19355, United States, robinqiu@psu.edu

1 - Managing Service Systems With Unknown Quality And Customer Anecdotal Reasoning
Hang Ren, University College London, London, United Kingdom, hang.ren.13@ucl.ac.uk, Tingliang Huang

2 - The Use And Value Of Social Network Information In Selective Selling
Ruslan Momot, INSEAD, Fontainebleau, France, Ruslan.momot@insead.edu, Elena Belavina, Karan Girotra

3 - Embedding Assignment-Routing Constraints through Multi-Dimensional Network Construction For Solving Multi-Vehicle Routing With Pickup & Delivery Time Windows
Monireh Mahmoudi, Arizona State University, Tempe, AZ, United States, mmahmoudi@asu.edu, Junhua Chen, Xuesong Zhou

4 - Using Patient-centric Quality Information To Unlock Hidden Health Care Capabilities
Guihua Wang, Ross School of Business, University of Michigan, Ann Arbor, MI, 48105, United States, guihuaw@umich.edu, Jun Li, Wallace J Hopp

5 - On The Benefit (or Cost) Of Large-scale Bundling
Tarek Abdallah, New York University, tabdalla@stern.nyu.edu

■ TC89

Broadway C-Omni

Applications of Optimization and Control Theory in Traffic Management

Sponsored: TSL, Intelligent Transportation Systems (ITS)

Sponsored Session

Chair: Xiaozhang He, Purdue University, 1, West Lafayette, IN, 47906, United States, seanhe@purdue.edu

1 - On The Equity Issue Of Taxi Market Under A Centralized Recommendation System
Xinwu Qian, Purdue University, West Lafayette, IN, United States, qian39@purdue.edu, Xianyuan Zhan, Sattish Ukkusuri

2 - Feedback-based Traffic Signal Perimeter Control For Urban Networks Under special Traffic Events
Jiawen Wang, Tongji University, School of Transportation Engineering, Shanghai, China, 07wangjiawen@tongji.edu.cn, Xiaoguang Yang, Xiaozheng He, Srinivas Peeta

3 - Simulation-based Optimization With AdaptiveSampling Strategy For Network-wide Traffic Management And Control
Shubham Agrawal, Purdue University, West Lafayette, IN, 47907, United States, shubham@purdue.edu, Xiaozheng He, Ragu Pasupathy, Srinivas Peeta

■ TC90

Broadway D-Omni

Logistics, Humanitarian

Contributed Session

Chair: Behnam Malmir, Kansas State University, 2034 Durland Hall, 1701A Platt street, Manhattan, KS, 66506, United States, malmir@ksu.edu

1 - Human Trafficking: Opportunities For Operations Research And Management Science
Renata Alexandra Konrad, Worcester Polytechnic Institute, School of Business, 100 Institute Road, Worcester, MA, 01609, United States, rkonrad@wpi.edu

2 - Pre-disaster Unmanned Air Vehicle Base Location & Routing For Road Damage Assessment & Search & Rescue
Seyyed kian Farajkhah, Cankaya-Middle East Technical University, Universiteler, Dumlupinar, Bulvari No1, Ankara, 06800, Turkey, kian.farajkhah@metu.edu.tr

3 - Impact Of Patient Centered Discharge On Quality Of Life And Readmission Rates For Kidney Transplant Recipients
Aravind Chandrasekaran, The Ohio State University, 600 Fisher Hall, 2100 Neil Avenue, Columbus, OH, 43210, United States, chandrasekaran.24@osu.edu, Luv Sharma, Gopesh Anand

■ TC94

5th Avenue Lobby-MCC

Technology Tutorial: SIMIO/Neusrel

Technology Tutorial

1 - SIMIO: New Innovations: Cloud Computing, Real-Time Scheduling, Healthcare, And More
Claude Dennis Pegden, CE/Founder, Simio LLC, Sewickly, PA, United States, cdpegden@simio.com, Renee Thiesing

2 - NEUSREL - Success Drivers
David Buckler, Neusrel, Chantilly, VA, United States, dbuckler@caci.com

Tuesday, 3:10PM - 4:00PM

■ Keynote Tuesday

Davidson Ballroom A-MCC

Optimizing the Future – Supply Chain at Amazon

Keynote Session

Chair: Anne Robinson, Verizon Wireless, Basking Ridge, NJ, anne.robinson@verizonwireless.com

1 - Optimizing The Future - Supply Chain at Amazon
Jason Murray, Amazon, 410 Terry Avenue North, Seattle, WA, 89109, United States, n.a@na.org

■ Keynote Tuesday

Davidson Ballroom B-MCC

Wagner Prize Winner Reprise

Invited: Plenary, Keynote

Invited Session

Chair: Allen Butler , Daniel H Wagner Associates, Inc., Hampton, VA, allen.butler@va.wagner.com

1 - Wagner Prize Winner Reprise
C. Allen Butler, Daniel H Wagner Associates, Inc., 2 Eaton Street, Hampton, VA, 23669, United States, Allen.Butler@va.wagner.com

■ Keynote Tuesday

Davidson Ballroom C-MCC

Edelman Reprise-UPS

Keynote Session

Chair: Michael Trick, Carnegie Mellon University, Pittsburgh, PA, (IFORS President) trick@cmu.edu

1 - UPS Optimizes Delivery Routes
Jack Levis, Director of Process Management, UPS, Timonium, MD, United States, jlevis@ups.com, Ranganeth Nuggehalli

Tuesday, 4:30PM - 6:00PM

■ TD01

101A-MCC

New Methods in Data Mining

Sponsored: Data Mining

Sponsored Session

Chair: Mariya Naumova, Rutgers University, 640 Bartholomes Road, Piscataway, NJ, 08854, United States, mnaumova@rci.rutgers.edu

1 - A Fast Algorithm For Discretization In A Big Data Space
Abdelaziz Berrado, Associate Professor, University Mohammed V in Rabat, BP 765, Avenue Ibn Sina, Agdal, Rabat, 10080, Morocco, berrado@emi.ac.ma

2 - Orthogonal Tensor Decomposition
Cun Mu, PhD Student, Columbia University, 500 West 120th Street, Room 315, New York, NY, 10027, United States, cm3052@columbia.edu, Donald Goldfarb

3 - Distance-based Methods For Classification Of Groups Of Objects
Mariya Naumova, Rutgers University, 110 Frelinghuysen Rd., Piscataway, NJ, 08854, United States, mnaumova@rci.rutgers.edu

■ TD02

101B-MCC

Data Mining in Medical and Brain Informatics II

Sponsored: Data Mining

Sponsored Session

Chair: Chun-An Chou, SUNY Binghamton, 4400 Vestal Parkway East, Binghamton, NY, 13902, United States, cachou@binghamton.edu

Co-Chair: Sina Khanmohammadi, SUNY Binghamton, 4400 Vestal Parkway East, Binghamton, NY, 13902, United States, skhanmo1@binghamton.edu

1 - Statistical Learning Of Neuronal Functional Connectivity
Chunming Zhang, University of Wisconsin - Madison, cmzhang@stat.wisc.edu

2 - Graph Mining For Alzheimer Disease
Fei Gao, Arizona State University, Tempe, AZ, 85281, United States, fgao16@asu.edu, Teresa Wu

3 - Mining Hierarchical Event Labels In Large-scale Eeg Collections
Kay Robbins, University of Texas at San Antonio, Kay.Robbins@utsa.edu, Nima Bigdely-Shamlo

4 - Capturing Dynamics Of Brain Functional Networks Through Data Driven Techniques
Laleh Najafizadeh, Rutgers University, laleh.najafizadeh@rutgers.edu

■ TD03

101C-MCC

Recent Developments in Opaque and Probabilistic Selling

Invited: Business Model Innovation

Invited Session

Chair: Tingliang Huang, Carroll School of Management, Boston College, Chestnut Hill, MA, United States, tingliang.huang@bc.edu

1 - Selling Through Priceline? On The Impact Of Name-your-own-price In Competitive Market
Xiao Huang, John Molson School of Business, Concordia University, xiao.huang@concordia.ca, Greys Sosic, Gregory E Kersten

2 - Opaque Selling And Last-minute Selling: Revenue Management In Vertically Differentiated Markets
Hang Ren, School of Management, University College London, London, United Kingdom, hang.ren.13@ucl.ac.uk, Tingliang Huang

3 - Vertical Probabilistic Selling Under Competition: The Role Of Consumer Anticipated Regret
Dongyuan Zhan, University College London, London, WC1E 6BT, United Kingdom, d.zhan@ucl.ac.uk, Yong Chao, Lin Liu

■ TD04

101D-MCC

Joint Session QSR/ENRE: Data-driven Modeling and Analytics in Wind Power Systems

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Arash Pourhabib, Oklahoma State University, 322 Engineering North, Stillwater, OK, 74078, United States, arash.pourhabib@okstate.edu

Co-Chair: Eunshin Byon, University of Michigan, College Station, MI, United States, ebyon@umich.edu

1 - Extreme Loads Analysis: Extrapolation And Importance Sampling
Peter Graf, National Renewable Energy Laboratory, 15013 Denver West Parkway, Golden, CO, 80401, United States, Peter.Graf@nrel.gov

2 - Space-time Modeling Of Asymmetric Local Wind Fields
Ahmed Aziz Ezzat, Texas A&M University, College Station, TX, United States, aa.ezzat@tamu.edu, Mikyoung Jun, Yu Ding

3 - Data-driven Stochastic Transmission Expansion Planning
Ali Bagheri, Oklahoma State University, ali.bagheri@okstate.edu

4 - Data-driven Approach For Wake Effect Analysis: Generalization To All Wind Directions
Mingdi You, University of Michigan, mingdyou@umich.edu, Eunshin Byon, Judy Jin

■ TD05

101E-MCC

Forest Management

Sponsored: Energy, Natural Res & the Environment II Forestry

Sponsored Session

Chair: Aaron Bradley Hoskins, United States Naval Research Laboratory, 7220 Briarcliff Drive, Springfield, VA, 22153, United States, abh318@msstate.edu

Co-Chair: Sándor F. Tóth, University of Washington, School of Environmental & Forest Sciences, Seattle, WA, 9, United States, oths@uw.edu

1 - Stochastic Forestry Planning Problem Using Progressive Hedging
Cristobal Pais, PhD Student, Instituto de Sistemas Complejos de Ingeniería, Domeyko 2367, Santiago, 8370397, Chile, cpais@ing.uchile.cl, Andres P Weintraub

2 - Using Critical Component Detection In Graphs For Wildfire Fuel Management
Dmytro Matsypura, The University of Sydney, Business School, Abercrombie Building H70, Sydney, 2006, Australia, dmytro.matsypura@sydney.edu.au

3 - A Stochastic Programming Approach To Satellite Constellation Design
Aaron B Hoskins, PhD Candidate, Mississippi State University, P.O. Box 9542, Starkville, MS, 39762, United States, abh318@msstate.edu, Hugh Medal

4 - Optimal Carbon Sampling In Remote Forest Regions
Sándor F. Tóth, University of Washington, School of Environmental & Forest Sciences, Seattle, WA, 9, United States, oths@uw.edu, Hans Eric Andersen

■ TD06

102A-MCC

Optimization for Large-Scale Learning

Sponsored: Data Mining

Sponsored Session

Chair: Dzung Phan, IBM Research, Yorktown Heights, NY, United States, phandu@us.ibm.com

1 - Gradient Sliding For Structured Convex Optimization
Yuyuan Ouyang, Clemson University, yuyuano@clemson.edu, Guanghui Lan

2 - Storm: Stochastic Optimization Using Random Models
Matthew Joseph Menickelly, Lehigh University, mjm412@lehigh.edu

3 - Extended Gauss-Newton-Type Algorithms For Low-rank Matrix Optimization
Quoc Tran-Dinh, University of North Carolina at Chapel Hill, quoctd@email.unc.edu

4 - Projection Algorithms For Nonconvex Minimization With Application To Sparse Principal Component Analysis
Dzung Phan, IBM Research, phandu@us.ibm.com, William Hager, Jiajie Zhu

■ TD07

102B-MCC

Emerging Topics on Internet of Things (IoT) and Data Analytics

Sponsored: Data Mining

Sponsored Session

Chair: Chen Kan, Pennsylvania State University, University Park, PA, United States, cjk5654@psu.edu

1 - A Pomdp Approach For Optimal Alerting To Remotely Monitored Asthma Patients Considering Alert Compliance Issue
Junbo Son, Assistant Professor, University of Delaware, Newark, DE, United States, sonjunbo@gmail.com, Shiyu Zhou

2 - Integration Of Data-level Fusion Model And Kernel Methods For Degradation Modeling And Prognostic Analysis
Changyue Song, University of Wisconsin-Madison, Madison, WI, United States, csong39@wisc.edu, Kaibo Liu

3 - Parallel Computing For The Optimization Of A Large-scale Dynamic Network - The Internet Of Hearts
Chen Kan, Pennsylvania State University, University Park, PA, 16802, United States, cjk5654@psu.edu, Hui Yang

4 - Control Policies For Iot Manufacturing Systems: A Two Stage Stochastic Approach
Xu Jin, Texas A&M University, College Station, TX, United States, jinxu@tamu.edu, Natarajan Gautam, Satish Bukkapatnam, Hoang Tran

■ TD08

103A-MCC

Outsourcing Innovation

Invited: Business Model Innovation

Invited Session

Chair: Ersin Korpeoglu, University College London, London, United Kingdom, e.korpeoglu@ucl.ac.uk

1 - Performance Feedback In Competitive Product Development
Daniel P Gross, Harvard Business School, dgross@hbs.edu

2 - Workforce Mobility And Innovation Outcomes In Manufacturing
Philipp Cornelius, University College London, London, United Kingdom, philipp.cornelius.12@ucl.ac.uk, Bilal Gokpinar, Fabian Sting

3 - Contest Among Contest Organizers
Ersin Korpeoglu, School of Management, University College London, London, United Kingdom, e.korpeoglu@ucl.ac.uk, Isa E Hafalir

■ TD09

103B-MCC

Big Data II

Contributed Session

Chair: Haibo Wang, Killam Distinguished Associate Professor, Texas A&M International University, 5201 University Boulevard, Laredo, TX, 78045, United States, hwang@tamiu.edu

1 - Integrating Data Science In Statistical Practice And Analytics
Steven B Cohen, RTI International, 701 13th Street NW, Washington, DC, 20005, United States, scohen@rti.org

2 - Next-generation Sequencing (NGS) Data Analysis: Developing A Scalable Framework For The Future
Michael Chuang, State University of New York, 1 Hawk Drive, New Paltz, NY, 12561, United States, chuangm@newpaltz.edu

3 - Five Steps To Big Data Analytics
Xuan Wang, PhD Student, Louisiana State University, 2200 Business Education Complex, Nicholson Extension, Baton Rouge, LA, 70803, United States, xwang35@lsu.edu, Helmut Schneider

4 - Prescriptive Analytic For Public Transportation Corridor Planning
Haibo Wang, Killam Distinguished Associate Professor, Texas A&M International University, 5201 University Boulevard, Laredo, TX, 78045, United States, hwang@tamiu.edu, Wei Wang, Jun Huang

■ TD10

103C-MCC

Optimization in Renewable Energy

Sponsored: Energy, Natural Res & the Environment, Energy II Other

Sponsored Session

Chair: Sushil Raj Poudel, MSU, MSU, Starkville, MS, 39760, United States, srp224@msstate.edu

1 - Sustainable Network Design For Multi-purpose Pallet Processing Depots Under Biomass Supply Uncertainty
MD Abdul Quddus, PhD Student, Mississippi State University, Department of Industrial & Systems Engineering, P.O. Box 9542, Starkville, MS, 39762, United States, mq90@msstate.edu, Niamat Ullah Ibne Hossain, Mohammad Marufuzzaman, Raed Jaradat

2 - Supply Chain Design As A Mechanism To Introduce Biofuel Feedstock Adoption In Africa
Liang Lu, UC Berkeley, Berkeley, CA, United States, lld2x1515@berkeley.edu, Wei Qi, Zuo-Jun Max Shen, David Zilberman

3 - Designing A Reliable And Congested Multi-modal Facility Location Problem For Bio-fuel Supply Chain Network
Sushil Raj Poudel, Mississippi State University, Dept of Industrial & Systems Engineerring, PO Box 9542, Starkville, MS, 39762, United States, srp224@msstate.edu, MD Abdul Quddus, Mohammad Marufuzzaman, Sudipta Chowdhury, Brian Smith, Linkan Bian

■ TD11

104A-MCC

Quality-Guaranteed Network Design: Interdiction, Routing, and Resource Allocation

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Tachun Lin, Assistant Professor, Bradley University, 1501 W Bradley Ave, Bradley Hall 171, Peoria, IL, 61625, United States, djlin@bradley.edu

1 - Risk-averse Bi-level Stochastic Network Interdiction Model For Cyber-security
Tanveer Hossain Bhuiyan, Mississippi State University, P.O Box 9542, 260 McCain Hall,, Mississippi State University, Starkville, MS, 39762, United States, tb2038@msstate.edu, Apurba K Nandi, Hugh Medal

2 - Revisiting Integrated Fleeting And Routing Design For International Flight Management
Zhili Zhou, United Airlines, zhili.zhou@united.com

3 - Network Function Placement: A Game-theoretic Approach
Tachun Lin, Bradley University, djlin@bradley.edu

■ TD12

104B-MCC

New Results on Polyhedral Relaxations

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Akshay Gupte, Clemson University, Clemson, SC, United States, agupte@clemson.edu

1 - Approximation Guarantees Of Closures
Joseph Paat, Johns Hopkins University, jpaat1@jhu.edu

2 - Some Lexicographic Perspectives On Valid Inequalities
Michael Eldredge, Clemson University, michaelgeldredge@gmail.com, Akshay Gupte

3 - An Efficient Algorithm For Trivial Lifting In Two Dimensions
Alinson Xavier, University of Waterloo, Waterloo, ON, Canada, axavier@uwaterloo.ca, Ricardo Fukasawa, Laurent Poirrier

4 - On MIP Relaxations For Nonlinear Programs
Taotao He, Purdue University, Rawls Hall, 100 S Grant Street, West Lafayette, IN, 47907-2076, United States, he135@purdue.edu, Mohit Tawarmalani

■ TD13

104C-MCC

Software and Methodologies for (Nonlinear) Integer Programming

Sponsored: Optimization, Computational Optimization and Software

Sponsored Session

Chair: Alexandra M Newman, Colorado School of Mines, Golden, CO, United States, anewman@mines.edu

1 - Software For Nonlinearly Constrained Optimization
Sven Leyffer, Argonne National Laboratory, leyffer@anl.gov

2 - Choosing A Solution Strategy For Discrete Quadratic Optimization
Robert Fourer, AMPL Optimization Inc., 4er@ampl.com

3 - Performance Tuning For Cplex's Spatial Branch-and-bound Solver For Global Nonconvex Mixed Integer Quadratic Programs
Ed Klotz, IBM, klotz@us.ibm.com

4 - On The Benefits Of Enumeration Within An Optimization Framework
Alexandra M Newman, Colorado School of Mines, Golden, CO, anewman@mines.edu

■ TD14

104D-MCC

Predictive Analytics: Big Data with Purpose

Sponsored: Analytics

Sponsored Session

Chair: Rob Lantz, Novetta Solutions, 7921 Jones Branch Drive, McLean, VA, 22102, United States, rwlantz@gmail.com

1 - Volatility-based Metrics To Analyze Network Traffic Over Time: Situational Awareness And Anomaly Detection
Soumyo Moitra, Carnegie Mellon University, Software Engineering Institute, Pittsburgh, PA, 15213, United States, smoitra@sei.cmu.edu

2 - Security And Multidimensional Prediction Problems
Anthony Boyles, Novetta, 7921 Jones Branch Drive, McLean, VA, 22102, United States, ABoyles@Novetta.com

3 - Smart Strategies For Matching Big Data
Matthew Teschke, Novetta, 1111 Arlington Blvd., Apt. 707, Arlington, VA, 22209, United States, mteschke@novetta.com

4 - Predicting Return Abuse With Data Analytics
Michael Ketzenberg, Associate Professor, Texas A&M University, Mail Stop 4217, College Station, TX, 77845, United States, mketzenberg@tamu.edu

■ TD15

104E-MCC

Joint Session AI/Analytics: Machine Learning for Public Policy

Sponsored: Artificial Intelligence/Analytics

Sponsored Session

Chair: John J Nay, Vanderbilt University, PMB 351826 2301 Vanderbilt Place, Nashville, TN, 7235-1826, United States, john.j.nay@vanderbilt.edu

1 - Text Modeling For Understanding And Predicting The Federal Government
John J Nay, Vanderbilt University, john.j.nay@vanderbilt.edu

2 - Simple Rules For Pretrial Release Decisions
Jongbin Jung, Stanford University, jongbin@stanford.edu

3 - Data-driven Agent-based Modeling
Yevgeniy Vorobeychik, Vanderbilt University, eug.vorobey@gmail.com, Haifeng Zhang

■ TD16

105A-MCC

Joint Session DM/Optimization Under Uncertainty: Optimization in Data Mining and Machine Learning

Sponsored: Optimization, Optimization Under Uncertainty/DM

Sponsored Session

Chair: Ozgu Turgut, Wayne State University, 1230 Wisteria Drive, A321, Ann Arbor, MI, 48104, United States, ozguturgut@wayne.edu

Co-Chair: Michael Hahsler, Southern Methodist University, Dallas, TX, United States, mhahsler@lyle.smu.edu

1 - Sequential Aggregation-disaggregation Optimization Methods For Data Stream Mining
Michael Hahsler, SMU, Dallas, TX, 75275, United States, mhahsler@lyle.smu.edu, Young Woong Park

2 - Building Ensembles Of Support Vector Machine Classifiers Through Multi Objective Optimization
Ozgu Turgut, Wayne State University, ozguturgut@wayne.edu, Ratna Babu Chinnam

3 - Multi-objective Optimization Under Multicollinearity
Haidar Almohri, Wayne State University, almohri@wayne.edu, Ratna Babu Chinnam, Arash Ali

■ TD17

105B-MCC

Statistical Learning with Convex Optimization

Sponsored: Optimization, Nonlinear Programming

Sponsored Session

Chair: Robert Freund, Massachusetts Institute of Technology, 100 Main Street, Cambridge, MA, 02142-1347, United States, rfreund@mit.edu

Co-Chair: Rahul Mazumder, Massachusetts Institute of Technology, 100 Main Street, Cambridge, MA, 02142-1347, United States, rahulmaz@mit.edu

1 - An Optimal Aggregation Procedure For Nonparametric Regression With Convex And Non-convex Models
Alexander Rakhlin, University of Pennsylvania, rakhlin@gmail.com

2 - Convex Regularization For High-dimensional Tensor Regression
Ming Yuan, University of Wisconsin, myuan@stat.wisc.edu

3 - Distributed Proximal Algorithms For Convex Optimization
Garud Iyengar, Columbia University, garud@ieor.columbia.edu

4 - Linear Estimation Through Unknown Non-linear Transformations
Constantine Caramanis, University of Texas, constantine@utexas.edu

■ TD18

106A-MCC

Resource Allocation Problems in Nonprofit Settings

Sponsored: Public Sector OR

Sponsored Session

Chair: Gemma Berenguer, Purdue University, 403 W State St, West Lafayette, IN, 47907, United States, gemmabf@purdue.edu

1 - Public Facility Location And Fair Distribution Problem: Fractional Programming Approach
Chong Hyun Park, Purdue University, West Lafayette, IN, 47906, United States, park456@purdue.edu, Gemma Berenguer

3 - Payment For Results: Funding Non-profit Operations
Sripad K Devalkar, Indian School of Business, Hyderabad, India, sripad_devalkar@isb.edu, Milind Sohoni, Neha Sharma

4 - Using Optimization To Maximize Diversity In Engineering Discussion Groups at The University Of Michigan
Kayse Lee Maass, University of Michigan, Ann Arbor, MI, United States, leekayse@umich.edu, Mark Daskin

■ TD19

106B-MCC

Stable Sets, Zero-forcing Sets, and Target Sets in Graphs

Sponsored: Computing

Sponsored Session

Chair: Balabhaskar Balasundaram, Oklahoma State University, 322 Engineering North, Stillwater, OK, 74078, United States, baski@okstate.edu

1 - Discrete vs. Continuous Formulations For Computing The Stability Number: Results And Insights
Jitamitra Desai, Nanyang Technological University, jdesai@ntu.edu.sg, Jitamitra Desai, Nanyang Technological University, Singapore, Singapore, jdesai@ntu.edu.sg, Balabhaskar Balasundaram

2 - Connected Zero Forcing Of A Graph
Boris Brimkov, Rice University, boris.brimkov@rice.edu

3 - An Integer Programming Approach To Finding Minimum Zero-forcing Sets
Caleb Fast, Rice University, caleb.c.fast@rice.edu, Illya V Hicks

4 - Mathematical Programming Approaches To Influence Maximization Problems On Social Networks
Rui Zhang, University of Colorado - Boulder, Boulder, CO, United States, rui.zhang@colorado.edu, Subramanian Raghavan

■ TD20

106C-MCC

Optimality Conditions for Inventory Control

Invited: Tutorial

Invited Session

Chair: Eugene A Feinberg, Stoney Brook University, Department of Applied Mathematics, Stoney Brook, NY, 11794, United States, eugene.feinberg@stonybrook.edu

1 - Optimality Conditions For Inventory Control
Eugene A Feinberg, Stoney Brook University, Department of Applied Mathematics & Statistics, Stoney Brook, NY, 11794, United States, eugene.feinberg@stonybrook.edu

■ TD21

107A-MCC

Data Analytics for Healthcare

Sponsored: Health Applications

Sponsored Session

Chair: Qingpeng Zhang, City University of Hong Kong, 83 Tat Chee Ave, Kowloon Tong, TX, 00000, Hong Kong, qingpeng.zhang@cityu.edu.hk

1 - Bayesian Data Analytics For Individualized Health Care Demand Modeling Of Aging Population
Xuxue Sun, University of South Florida, 4202 E. Fowler Ave. ENB118, Tampa, FL, 33620, United States, xuxuesun@mail.usf.edu, Paul Cirino, Hongdao Meng, Nan Kong, Mingyang Li

2 - Harnessing The Power Of Twitter With Offline Contact Networks For Probabilistic Flu Forecasting
Kusha Nezafati, University of Texas, Dallas, TX, United States, Kusha.Nezafati@utdallas.edu, Qingpeng Zhang, Yulia Gel, Leticia Ramirez-Ramirez

3 - The Diffusion Of User Behavior via Social Network In Online Health Communities
Xi Wang, University of Iowa, xi-wang-1@uiowa.edu, Kang Zhao, Gautam Pant

■ TD22

107B-MCC

Decision Making in Healthcare Supply Chain

Sponsored: Health Applications

Sponsored Session

Chair: Mili Mehrotra, University Of Minnesota, 321 19th Ave S, Minneapolis, MN, 55455, United States, milim@umn.edu

1 - Gatekeeper Or Roadblock: Optimizing Evidence Generation Andgatekeeper Or Roadblock: Optimizing Evidence Generation And Access To New Drugs
Liang Xu, Pennsylvania State University, 419A Business Building, Penn State University, State College, PA, 16801, United States, lzx103@psu.edu, Hui Zhao

2 - Hospital Quality, Medical Charge Variation, And Patient Care Efficiency: Implications For Bundled Payment Reform Models
Seokjun Youn, Texas A&M University, College Station, TX, United States, syoun@mays.tamu.edu, Gregory R Heim, Subodha Kumar, Chelliah Sriskandarajah

3 - The Hospital Readmission Reduction Program: Coordinating Service Rate And Readmission Reduction Efforts
Kenan Arifoglu, University College London, k.arifoglu@ucl.ac.uk, Hang Ren, Tolga Tezcan

■ TD23

108-MCC

Operations Management Approaches Applied in Healthcare Settings: Achieving Patient Health and Operational Effectiveness.

Sponsored: Health Applications

Sponsored Session

Chair: Yann Ferrand, Clemson University, 131-A Sirrine Hall, Celmson, SC, 29634, United States, yferran@g.clemson.edu

1 - Incentive Scheme For Diabetes Patients To Take A1c Test Quarterly
Muer Yang, University of St. Thomas, Minneapolis, MN, United States, yangmuer@stthomas.edu, Sameer Kumar, Paul Bekx

2 - Operating Room Management When Considering Microbial Loads
Brandon Lee, Clemson University, Clemson, SC, United States, woohyel@clemson.edu, Lawrence Fredendall, Kevin M Taaffe, Anjali Joseph

3 - Reducing Patient Wait In The Emergency Department With New Patient Flow Models
Yann Ferrand, Clemson University, yferran@clemson.edu, Todd F. Glass, Duane Steward

4 - Implementing Lean Operations In Service
Yunsik Choi, PhD Student, Clemson University, 100 Sirrine Hall, Clemson, SC, 29634-1305, United States, yunsikc@g.clemson.edu, Lawrence Fredendall, Aleda Roth

■ TD24

109-MCC

Modeling Systems for Public Health

Sponsored: Health Applications

Sponsored Session

Chair: Hyojung Kang, University of Virginia, 102A Engineer's Way, Charlottesville, VA, 22904, hkang@virginia.edu

1 - Optimizing Screening For Secondary Renal Cell Carcinoma
Jennifer Mason Lobo, Assistant Professor, University of Virginia, Charlottesville, VA, United States, jem4yb@virginia.edu, Tracey Krupski

2 - Incentive Contract Design For Food Retailers To Reduce Food Deserts In The US
Nathaniel D. Bastian, The Pennsylvania State University, University Park, PA, 16802, United States, nathaniel.bastian@fulbrightmail.org, Eric Swenson, Linlin Ma, Hyeong Suk Na

3 - Modeling Supply, Demand, And Allocation In Liver Transplantation
Wesley Marrero, University of Michigan, Ann Arbor, MI, United States, wmarrero@umich.edu, Jingyuan Wang, Justin Steuer, Eunshin Byon, Mariel Sofia Lavieri, David W Hutton, Neehar D Parikh

4 - Simulation And Spatio-temporal Modeling Approaches For Surveillance Of Hospital-acquired Infections
Hyojung Kang, University of Virginia, Charlottesville, VA, 22904, United States, hkang@virginia.edu, Jennifer Mason Lobo

■ TD25

110A-MCC

Scheduling with Applications

Invited: Project Management and Scheduling

Invited Session

Chair: Hui-Chih Hung, National Chiao Tung University, 1001 University Rd., MB103, Hsin-Chu, 300, Taiwan, hhc@nctu.edu.tw

1 - On Scheduling Restoration Tasks For Pipeline Networks In Post-disaster Management
I-Lin Wang, Professor, National Cheng Kung University, Tainan, Taiwan, ilinwang@mail.ncku.edu.tw

2 - Scheduling Sequential Locks Along Waterways
Frits Spieksma, KU Leuven, frits.spieksma@kuleuven.be

3 - V-shaped Sampling Based on Kendall-distance To Enhance Optimization With Ranks
Haobin Li, Scientist, A*STAR, Institute of High Performance Computing, 1 Fusionopolis Way, #16-16 Connexis North, Singapore, 138632, Singapore, lihb@ihpc.a-star.edu.sg, Giulia Pedrielli, Loo Hay Lee, Ek Peng Chew, Chun-Hung Chen

4 - Bicycle-sharing With Reallocation Trucks And Private Exchange Taipei YouBike System as Example
Hui-Chih Hung, National Chiao Tung University, Hsin-Chu, 300, Taiwan, hhc@nctu.edu.tw, Jun-Min Wei, Ming-Te Chen

■ TD26

110B-MCC

Spectrum Auction

Invited: Auctions

Invited Session

Chair: Oleg Baranov, University of Colorado at Boulder, 256 UBC, University of Colorado, Boulder, CO, 80309, United States, oleg.baranov@colorado.edu

1 - Efficient Dynamic Auction For U-shaped Returns
Oleg Baranov, Colorado, Oleg.Baranov@Colorado.edu

2 - Obtaining The Final Channel Assignment In The Federal Communications Commission's First-ever Incentive Auction
Karla L Hoffman, Professor, George Mason University, Mail Stop 4A6, 4400 University Drive, Fairfax, VA, 20124, United States, khoffman@gmu.edu, Brian Smith, Steven Charbonneau, James Costa, Tony Coudert, Rudy Sultana

3 - Determining The Stations Not Needed In The Federal Communication Commission'S First-ever Incentive Auction
Karla L Hoffman, George Mason University, System Eng and Operations Research Dept, 4400 University Drive Mailstop 4a6, Fairfax, VA, 22030, United States, khoffman@gmu.edu, James Andrew Costa, Steven Charbonneau, Anthony Coudert, Brian Smith, Rudy K Sultana

4 - Combinatorial Land Assembly
Tzu-Yao Lin, University of Maryland, LinT@econ.umd.edu

■ TD27

201A-MCC

Stochastic Modeling In Healthcare Operations

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Carri Chan, Columbia Business School, New York, NY, United States, cwchan@columbia.edu

Co-Chair: Vahid Sarhangian, Columbia Business School, New York, NY, United States, vs2573@columbia.edu

1 - Identify Optimal Overflow Policies Using Approximate Dynamic Programming
Pengyi Shi, Purdue University, shi178@purdue.edu, Jim Dai

2 - Yardstick Competition For Emergency Department Queues
Ozlem Yildiz, University of Rochester, Rochester, NY, United States, ozlem.yildiz@simon.rochester.edu, Nicos Savva, Tolga Tezcan

3 - Timing Of Hospital Discharges Matters
Jonathan Helm, Indiana University, helmj@indiana.edu, Rene Bekker

4 - Dynamic Server Allocation In A Multiclass Queueing System With Shifts: Nurse Staffing In Emergency Departments
Vahid Sarhangian, Columbia Business School, New York, NY, United States, vs2573@columbia.edu, Carri Chan

■ TD28

201B-MCC

Topics in Sustainability

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Arzum E Akkas, Boston University, Cambridge, MA, United States, aakkas@bu.edu

1 - Design Of Sales Compensation Schemes To Reduce Product Waste
Arzum Akkas, Boston University, aakkas@bu.edu, Sahoo Nachiketa

2 - Extended Warranties And Secondary Market Strategies
Wayne Fu, Georgia Institute of Technology, Atlanta, GA, United States, Wayne.Fu@scheller.gatech.edu, Atalay Atasu, Necati Tereyagoglu

3 - Sustainable Urban Water Management
Buket Avci, Singapore Management University, Singapore, Singapore, buketavci@smu.edu.sg, Onur Boyabatli

4 - Re-manufacturability And Investment Planning
Avinash Geda, University of Florida, 361B Stuzin Hall, Gainesville, FL, 32611, United States, avinashgeda@ufl.edu, Gulver Karamemis, Gulver Karamemis, Vashkar Ghosh, Asoo J Vakharia

■ TD29

202A-MCC

Issues in Sustainable Operations

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Adem Orsdemir, University of California Riverside, 900 University Ave., Riverside, CA, CA 92521, United States, orsdemiradem@gmail.com

1 - Why And How Do Consumers Discount Remanufactured Products?
James Duane Abbey, Texas A&M University, 4217 TAMU, College Station, TX, 77843-4217, United States, jabbey@mays.tamu.edu, Rainer Kleber, Gilvan Souza, Guido Voigt

2 - Coopeting For Green Product Development
Karthik Murali, University of Alabama, Tuscaloosa, kmurali@cba.ua.edu

3 - Designing Sustainable Products Under Co-production Technology
Shouqiang Wang, Clemson University, 131D Sirrine Hall, Clemson, SC, 29634, United States, shouqiw@clemson.edu, Yen-Ting (Daniel) Lin, Haoying Sun

■ TD30

202B-MCC

Innovative Data-driven Analyses in Healthcare Research

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Carri Chan, Columbia University, 3022 Broadway, Uris Hall 410, New York, NY, 10025, United States, cwchan@columbia.edu

Co-Chair: Jose Zubizarreta, Columbia University, 3022 Broadway, 417 Uris Hall, New York, NY, 10025, United States, zubizarreta@columbia.edu

1 - Personalized Diabetes Management Using Electronic Medical Records
Alexander M Weinstein, Massachusetts Institute of Technology, Cambridge, MA, United States, amw22@mit.edu, Dimitris Bertsimas, Nathan Kallus, Ying Zhuo

2 - A Template Matching Approach To Comparing Hospital Quality In An Integrated Health Care System
Wenqi Hu, Columbia Business School, New York, NY, United States, whu17@gsb.columbia.edu, Carri Chan, Jose Zubizarreta, Gabriel Escobar

3 - A Room With A View: An Econometric Analysis Of How Facility Layout Impacts Care Provision In The Emergency Department
Lesley Meng, Doctoral Candidate, The Wharton School, University of Pennsylvania, 3730 Walnut Street, Suite 500 JMHH, Philadelphia, PA, 19104, United States, lmeng@wharton.upenn.edu, Robert Batt, Christian Terwiesch

■ TD31

202C-MCC

Information Economics in Operations

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Senthil Veeraraghavan, University of Pennsylvania, The Wharton School, Philadelphia, PA, 19104, United States, senthilv@wharton.upenn.edu

Co-Chair: Shiliang Cui, Georgetown University, 548 Rafik B. Hariri Building, 37th and O Streets NW, Washington, DC, 20057, United States, shiliang.cui@georgetown.edu

1 - Listento The Crowd: Network Effects And Online Reviews In Restaurant SalesForecasting
Shawn Mankad, Cornell University, Ithaca, NY, United States, smankad@cornell.edu, Qiuping Yu, Masha Shunko

2 - Information Sale And Competition
Kostas Bimpikis, Stanford University, kostasb@stanford.edu, Davide Crapis, Alireza Tahbaz-Salehi

3 - Efficient Information Heterogeneity In A Queue
Yang Li, CUHK Business School, liyang@baf.cuhk.edu.hk, Ming Hu, Jianfu Wang

4 - Multi-stage Intermediation In Display Advertising
Ozan Candogan, University of Chicago, ozan.candogan@chicagobooth.edu, Santiago Balseiro, Huseyin Gurkan

■ TD32

203A-MCC

Revenue Mgt, Pricing IV

Contributed Session

Chair: Yanqiao Wang, UC Berkeley, Berkeley, CA, United States, yanqiao@berkeley.edu

1 - Application Of Optimization Techniques And Survival Analysis On Pricing And Revenue Management In Semiconductor Industry
Amir Meimand, Pricing Scientist, Zilliant Inc, 1781 Spyglass Drive, Apt 359, Austin, TX, 78746, United States, amir.meimand@zilliant.com, Steve Tao, Lee Rehwinkel

2 - A Customized Dynamic Pricing Based Optimization Model For In-house Electricity Consumption Scheduling With Energy Storage Renewable Option
Goutam Dutta, Professor, Indian Institute of Management, Wing 3, Room No 3H, Production Quantitive Methods Area, Ahmedabad, Gujarat, 380015, India, goutam@iima.ac.in, Krishnendra Mitra

3 - Pricing Consumable Products To Maximize Profit
Randy Robinson, Assistant Professor, Bemidji State University, 1500 Birchmont Dr. #30, Bemidji, MN, 56601, United States, rrobinson@bemidjistate.edu

4 - Joint Optimization Of Capacitated Assortment And Pricing Problem Under The Tree Logit Model
Yanqiao Wang, UC Berkeley, Berkeley, CA, United States, yanqiao@berkeley.edu, Zuo-Jun Max Shen

■ TD33

203B-MCC

Queueing Models III

Contributed Session

Chair: Petra Vis, VU Amsterdam, De Boelelaan 1105, Amsterdam, 1081 HV, Netherlands, petra.vis@vu.nl

1 - Meeting Service-level Constraints In Multi-class Service Systems
Rene Bekker, VU Amsterdam, De Boelelaan 1081a, Amsterdam, 1081 HV, Netherlands, r.bekker@vu.nl, Ger M Koole, Petra Vis

2 - A General Workload Conservation Law With Applications To Queueing Systems
Muhammad A El-Taha, Professor, University of Southern Maine, Department of Mathematics and Statistics, 96 Falmouth Street, Portland, ME, 04104-9300, United States, el-taha@maine.edu

3 - Queue Now Or Queue Later
Brett Hathaway, Doctoral Candidate, UNC Chapel Hill, Chapel Hill, NC, United States, Brett_Hathaway@kenan-flagler.unc.edu, Seyed Emadi, Vinayak Deshpande

4 - Access Times In Appointment-driven Systems And Level-dependent MAP/G/1 Queues
Petra Vis, VU Amsterdam, De Boelelaan 1105, Amsterdam, 1081 HV, Netherlands, petra.vis@vu.nl
Petra Vis, Centrum Wiskunde & Informatica, Amsterdam, Netherlands, petra.vis@vu.nl, Rene Bekker

■ TD34

204-MCC

Joint Session HAS/MSOM-HC: Care Transition Policy and Management

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Nan Kong, Purdue University, West Lafayette, IN, United States, nkong@purdue.edu

1 - System Modeling For Patient Transitions Within Hospital
Hyo Kyung Lee, University of Wisconsin Madison, 1, Madison, WI, 1, United States, wilchess27@gmail.com, Jingshan Li, Albert J. Musa, Philip A. Bain

2 - Reduce COPD Readmission - Risk Identification And Patient-centered Intervention
Xiang Zhong, University of Wisconsin, 1513 University Avenue, Room 3235, Madison, WI, 53706, United States, oliver040525@gmail.com, Cong Zhao, Philip Bain, Albert Musa, Craig Sommers

3 - Optimal Inpatient Discharge Planning Under Uncertainty
Maryam Khatami, Texas A&M University, 4050 ETB, College Station, TX, 77840, United States, maryam.khatami@tamu.edu, Mark Lawley, Nan Kong, Michelle M. Alvarado

■ TD35

205A-MCC

On Demand Services

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Pnina Feldman, University of California-Berkeley, Haas School of Business, Berkeley, CA, 94720, United States, feldman@haas.berkeley.edu

Co-Chair: Robert Swinney, Duke University, Fuqua Drive, Durham, NC, 27708, United States, robert.swinney@duke.edu

1 - Drivers, Riders And Service Providers: The Impact Of The Sharing Economy On Mobility
Harald Bernhard, Singapore University of Technology and Design, Singapore, Singapore, harald_bernhard@mymail.sutd.edu.sg, Saif Benjaafar, Costas Courcoubetis

2 - The Role Of Surge Pricing On A Service Platform With Self-scheduling Capacity
Gerard P Cachon, University of Pennsylvania, cachon@wharton.upenn.edu, Kaitlin Daniels, Ruben Lobel

3 - Bike-share Systems: Accessibility And Availability
Ashish Kabra, INSEAD, Boulevard de constance, Fontainebleau, 77305, France, ashish.kabra@insead.edu, Elena Belavina, Karan Girotra

■ TD36

205B-MCC

MSOM/Supply and Procurement

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Zhixi Wan, University of Oregon, 1208 University of Oregon, Eugene, OR, 97403, United States, zwan@uoregon.edu

1 - Optimal Procurement In Assembly Supply Chains
Bin Hu, University of North Carolina, Chapel Hill, NC, 27519, United States, bin_hu@unc.edu, Anyan Qi

2 - Optimal Procurement Auctions Under Multi-stage Supplier Qualification
Wei Chen, University of Kansas, wei.chen@ku.edu, Milind Dawande, Ganesh Janakiraman

3 - Global Sourcing Under Non-contractible Capacity And Asymmetric Cost Information
Ehsan Bolandifar, The Chinese University of Hong Kong, Hong Kong, Hong Kong, ehsan@baf.cuhk.edu.hk, Fuqiang Zhang, Tianjun Feng

4 - Screening Product Quality With Service Contracts
Dong Li, Singapore University of Technology and Design, Singapore, Singapore, lidong1107@gmail.com, Nishant Mishra, Serguei Netessine

■ TD37

205C-MCC

Investment in Renewable Energy and Energy Efficiency

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Safak Yucel, Duke University, 100 Fuqua Drive, Durham, NC, 27705, United States, safak.yucel@duke.edu

1 - The Impact Of Carbon Pricing On Improving Supply Chain Energy Efficiency
Quang Dang Nguyen, University of Minnesota, nguy1762@umn.edu, Karen Donohue, Mili Mehrotra

2 - Quantifying The Impact Of Intermittent Renewable Generation On German Electricity Market
Shadi Goodarzi, HEC Paris, shadi.goodarzi@hec.edu
Shadi Goodarzi, California State University Fullerton, Fullerton, CA, United States, shadi.goodarzi@hec.edu, Derek W Bunn, Syed Basher

3 - Designing Hydro Supply Chains For Water, Food, Energy And Flood Nexus
Kwon Gi Mun, Assistant Professor, Fairleigh Dickinson University, 1000 River Rd. H-DH2-06, Teaneck, NJ, 07666-1914, United States, kgmun@fdu.edu, Raza Ali Rafique, Yao Zhao

4 - Reversing The Death Spiral: A New Business Model For Utility Firms Under Social Network Effects
Safak Yucel, Georgetown University, Washington, DC, United States, safak.yucel@georgetown.edu, Gurhan Kok, Kevin Shang

■ TD38

206A-MCC

Service Science I

Contributed Session

Chair: Sreekanth V K, Research Scholar, Indian Institute of Technology Kharagpur, Kharagpur, 721302, India, sreekanthvettikkadu@iitkgp.ac.in

1 - Impact Of Staffing Flexibility On Unit Climate And Patient Safety In Hospitals
Adelina Gnanlet, Associate Professor, California State University-Fullerton, 800 N State College Blvd, Department of Management, Fullerton, CA, 92831, United States, agnanlet@fullerton.edu, Chris McDermott, Rommel O Salvador

2 - Two New History-based Delay Predictors For Call Centers
Wyean Chan, Universite de Montreal, DIRO Pavillon Andre-Aisenstadt, CP 6128 succ Centre-Ville, Montreal, QC, H3C 3J7, Canada, chanwyea@iro.umontreal.ca, Mamadou Thiongane, Pierre L'Ecuyer

3 - Designing Service Machine For Emergency Medical Services
Sreekanth V K, Research Scholar, Indian Institute of Technology Kharagpur, Kharagpur, 721302, India, sreekanthvettikkadu@iitkgp.ac.in, Ram Babu Roy, Paul M Lillrank

■ TD39

207A-MCC

Applied Probability and Optimization III

Sponsored: Applied Probability

Sponsored Session

Chair: Chaitanya Bandi, c-bandi@kellogg.northwestern.edu

1 - Adaptive Control Of Flexible Queueing Networks
Yuan Zhong, Columbia University, New York, NY, 10027, United States, yz2561@columbia.edu, Ramtin Pedarsani, Jean Walrand

2 - Delay Performance Of Scheduling Algorithms For Data Center Networks And Input Queued Switches
Sivateja Maguluri, IBM, siva.theja@gmail.com

3 - Characterizing Global Stability Of Queueing Networks Via Robust Optimization
Chaithanya Bandi, Northwestern University, Evanston, IL, United States, c-bandi@kellogg.northwestern.edu, Itai Gurvich

4 - Using Robust Queueing To Expose The Impact Of Dependence In Single Server Queues
Wei You, PhD Student, Columbia University, 500 W. 120th St., Mudd 323, New York, NY, 10027, United States, wy2225@columbia.edu, Ward Whitt

■ TD40

207B-MCC

Applications in Applied Probability

Sponsored: Applied Probability

Sponsored Session

Chair: Kevin Leder, University of Minnesota, 111 Church St, Minneapolis, MN, 55455, United States, kevinleder@gmail.com

1 - A Stochastic Model Of Order Book Dynamics Using Bouncing Geometric Brownian Motions
Xin Liu, Clemson University, xliu9@clemson.edu

2 - Synchronization Of Discrete Pulse-coupled Oscillators
David Sivakoff, Ohio State University, dsivakoff@stat.osu.edu

3 - Sample Path Large Deviations For Heavy Tailed Levy Processes And Their Applications
Chang-Han Rhee, CWI, C.Rhee@cwi.nl

■ TD41

207C-MCC

Quantitative Methods in Finance

Sponsored: Financial Services

Sponsored Session

Chair: Qi Wu, Chinese University of Hong Kong, Hong Kong, Shatin, NT, 12345, Hong Kong, qwu@se.cuhk.edu.hk

1 - Option Pricing In The Presence Of Market Microstructure
Nan Chen, Chinese University of Hong Kong, nchen@se.cuhk.edu.hk

2 - On The Measurement Of Economic Tail Risk
Xianhua Peng, Hong Kong University of Science & Technology, maxhpeng@ust.hk, Steven Kou

3 - Persistence And Procyclicality In Margin Requirements
Qi Wu, Chinese University of Hong Kong, qwu@se.cuhk.edu.hk

4 - Over-the Counter Markets andCounterparty Risk
Agostino Capponi, Columbia University, ac3827@columbia.edu

■ TD42

207D-MCC

RM in Online Markets

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Dragos Florin Ciocan, INSEAD, Fontainebleau, France, florin.ciocan@insead.edu

1 - Learning Demand Curves In B2b Pricing: A Case Application Of Optimal Learning
Ilya Ryzhov, Robert H. Smith School of Business, University of Maryland, iryzhov@rhsmith.umd.edu, Huashuai Qu, Michael Fu

2 - Pricing Of Conditional Upgrades In The Presence Of Strategic Consumers
Yao Cui, Cornell University, Ithaca, NY, United States, yao.cui@cornell.edu, Izak Duenyas, Ozge Sahin

3 - Revenue Management With Repeated Interactions
Dragos Florin Ciocan, INSEAD, florin.ciocan@insead.edu, Andre Du Pin Calmon, Gonzalo Romero

4 - Joint Pricing And Inventory Management With Strategic Customers
Yiwei Chen, Singapore University of Technology and Design, stevenyiweichen@gmail.com, Cong Shi

■ TD43

208A-MCC

Portfolio Decision Analysis

Sponsored: Decision Analysis

Sponsored Session

Chair: Janne Kettunen, The George Washington University, The George Washington University, Washington, DC, 00000, United States, jkettune@gwu.edu

1 - Systematic Bias, Selection Bias, And Post-decision Disappointment
Eeva Vilkkumaa, Aalto University, Helsinki, Finland, eeva.vilkkumaa@aalto.fi, Juuso Liesiö

2 - Scheduling Public Procurement Contracting
Janne Kettunen, Assistant Professor, The George Washington University, Washington, DC, United States, jkettune@gwu.edu, Young Hoon Kwak

3 - Multi-period, Multi-objective Portfolio Optimization
Ernest H Forman, George Washington University, forman@gwu.edu

■ TD44

208B-MCC

Applications of Multiattribute Preferences

Sponsored: Decision Analysis

Sponsored Session

Chair: Jay Simon, American University, 4400 Massachusetts Ave NW, Washington, DC, 20016, United States, jaysimon@american.edu

1 - Preference Programming For Spatial Multiattribute Decision Analysis
Mikko Harju, Aalto University, Espoo, Finland, mikko.harju@aalto.fi, Kai Virtanen, Juuso Ilari Liesio

2 - Multiattribute Preference Models For Computational Creativity
Debarun Bhattacharjya, IBM T. J. Watson Research Center, Yorktown Heights, NY, United States, debarunb@us.ibm.com, Lav Varshney

3 - Multilinear Utility Functions For Multiattribute Portfolio Decision Analysis
Juuso Ilari Liesio, Aalto University, Helsinki, Finland, juuso.liesio@aalto.fi, Eeva Vilkkumaa

4 - Multiattribute Procurement Auctions With Unknown Buyer Preferences
Jay Simon, American University, jaysimon@american.edu

■ TD45

209A-MCC

Simulation Optimization and Ranking and Selection

Sponsored: Simulation

Sponsored Session

Chair: Demet Batur, University of Nebraska-Lincoln, CBA 209, Lincoln, NE, 68588, United States, dbatur@unl.edu

1 - Optimization-based Learning Of Simulation Model Discrepancy
Henry Lam, University of Michigan, Ann Arbor, MI, United States, khlam@umich.edu, Matthew Plumlee

2 - Quantile-based Ranking And Selection In A Bayesian Framework
Yijie Peng, Fudan University, pengy10@fudan.edu.cn, Chun-Hung Chen, Michael Fu, Jian-Qiang Hu, Ilya O Ryzhov

3 - Multi-information Source Optimization With Applications
Matthias Poloczek, Cornell University, poloczek@cornell.edu, Jialei Wang, Peter Frazier

4 - Tractable Dynamic Sampling Strategies For Quantile-based Ordinal Optimization
Dongwook Shin, Columbia Business School, dshin17@gsb.columbia.edu, Mark Nathan Broadie, Assaf Zeevi

■ TD46

209B-MCC

Empirical Research on Pricing and Revenue Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Pnina Feldman, University of California-Berkeley, Berkeley, CA, United States, feldman@haas.berkeley.edu

Co-Chair: Necati Tereyagoglu, Scheller College of Buss - Georgia Institute of Technology, Atlanta, GA, United States, necati.tereyagoglu@scheller.gatech.edu

1 - Welfare Implications Of Congestion Pricing: Evidence from SFpark
Hsin-Tien Tsai, University of California, Berkeley, 1822 Francisco St., Apt 4, Berkeley, CA, 94703, United States, hsintien@berkeley.edu, Pnina Feldman, Jun Li

2 - Inventory Announcements And Customer Choice: Evidence From The Air Travel Industry
Katherine Ashley, University of California-Berkeley, kate_ashley@haas.berkeley.edu, Pnina Feldman, Jun Li

3 - Designing Listing Policies For Online B2b Marketplaces
Wenchang Zhang, University of Maryland, COLLEGE PARK, MD, CA, United States, wzhang@rhsmith.umd.edu, Konstantinos Bimpikis, Wedad Jasmine Elmaghraby, Kenneth Moon

4 - Distribution Channel Relationships And Multimarket Competition
Necati Tereyagoglu, Assistant Professor of Operations Management, Scheller College of Bussiness - Georgia Institute of Technology, 800 W Peachtree St NW, Atlanta, GA, 30308, United States, necati.tereyagoglu@scheller.gatech.edu, O. Cem Ozturk

■ TD47

209C-MCC

Cloud Computing in RM

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Cinar Kilcioglu, Columbia Business School, Columbia Business School, New York, NY, 10027, United States, ckilcioglu16@gsb.columbia.edu

Co-Chair: Costis Maglaras, Columbia University, New York, NY, United States, c.maglaras@columbia.edu

1 - Optimal Resource Consumption via Data Driven Prophet Inequalities With An Application To Cloud Infrastructure
Andrew A Li, MIT, Cambridge, MA, United States, aali@mit.edu, Muhammad J Amjad, Vivek Farias, Devavrat Shah

2 - Stochastic Optimal Control Of Time-varying Cloud Workloads
Mark S Squillante, IBM Thomas J. Watson Research Center, mss@us.ibm.com, Yingdong Lu, Mayank Sharma, Bo Zhang

3 - Conic Optimization Model For Replicated Data Stores In Geo-distributed Cloud Applications
Julio Cezar Goez, NHH Norwegian School of Economics, Bergen, Norway, jgoez1@gmail.com, Juan F. Pérez

4 - Large Scale Dynamic Network Revenue Management With Application In Pricing Of Interactive Cloud Applications
Hossein Jahandideh, UCLA Anderson School of Management, 3777 Mentone Avenue, Apt 405, Los Angeles, CA, 90034-6473, United States, hs.jahan@gmail.com, Julie Ward, Filippo Balestrieri

■ TD48

210-MCC

Social Media Analytics Award Session

Invited: Social Media Analytics

Invited Session

Chair: Tauhid Zaman, MIT, 77 Massachusetts Ave, Boston, MA, 0, United States, zlisto@gmail.com

■ TD49

211-MCC

Panel: First Course in Analytics or Only Course in Analytics – What Difference Does It Make?

Sponsored: Education (INFORMED)

Moderator: Thomas G Groleau, Carthage College, Kenosha, WI, United States, tgroleau@carthage.edu

1 - Exploratory Questions
Thomas G Groleau, Carthage College, tgroleau@carthage.edu

2 - Panelist:
Peter C Bell, Ivey Business School at Western University, Canada, pbell@ivey.uwo.ca

3 - Panelist:
Jeffrey D Camm, Wake Forest University, cammjd@wfu.edu

4 - Panelist:
Dimitris Bertsimas, Massachusetts Institute of Technology, dbertsim@mit.edu

5 - Panelist:
Robert Krider, Professor, Simon Fraser University, Vancouver, BC, Canada, rkrider@sfu.ca

■ TD50

212-MCC

SpORts: Sports Analytics II

Sponsored: SpORts

Sponsored Session

Chair: Stephen Hill, University of North Carolina-Wilmington, 601 South College Road, Wilmington, NC, 28403-5611, United States, hills@uncw.edu

1 - Breaking The Chill Of The Tie In The National Hockey League
Marty Thomas, Georgia Gwinnett College, athomas1@ggc.edu

2 - The Advantage Of Lefties In Sports
Hal Cooper, PhD Candidate, Columbia University, 500 West 120th Street, Rm. 345, Mudd, New York, NY, 10027, United States, hal.cooper@columbia.edu, Francois Fagan, Martin B Haugh

3 - The Optimal Value Bill James' Pythagorean Method For Major League Lacrosse
Hayden Howell, University of Alabama, Culverhouse College of Commerce and Business Administration, Tuscaloosa, AL, 35487-0226, United States, hphowell@crimson.ua.edu, James Cochran

4 - Determining The Optimal Locations For Indoor Tennis Camps In Canada
Islay Wright, University of Toronto, 1, Toronto, ON, Canada, islay.wright@mail.utoronto.ca, Timothy Chan

■ TD51

213-MCC

Models of Influence and Optimal Response

Sponsored: Public Sector OR

Sponsored Session

Chair: Theodore T Allen, Ohio State University, 210 Baker Systems Engineering, 1971 Neil Avenue,, Columbus, OH, 43210, United States, allen.515@osu.edu

1 - The Role Of Peer Influence On Vaccine Uptake In A Pandemic Disease Spread Model
Kevin Chan, University of Toronto, Toronto, ON, Canada, kevinm.chan@mail.utoronto.ca, Dionne Aleman

2 - Emergency Medical Service Response Models With Patient Priorities
Soovin Yoon, University of Wisconsin, 1415 Engineering Drive, Room 3261, Madison, WI, 53706, United States, yoon57@wisc.edu, Laura Albert McLay

3 - Generalized Binary Search With Indifference Zones So All Can Wait Less than 30 Minutes
Shijie Huang, Carillion Clinic, skylovtata@gmail.com

4 - Operations Research Meets Voting Laws In The U.S.A.: NAACP v. Mccrory, Arizona, And Others
Theodore T Allen, Ohio State University, allen.515@osu.edu

■ TD52

214-MCC

Urban Transportation and Logistics in Public Sector OR III

Sponsored: Public Sector OR

Sponsored Session

Chair: Sung Hoon Chung, Binghamton University, PO Box 6000, Binghamton, NY, 13902, United States, schung@binghamton.edu

1 - An Open Source Tool For The Visualization, Analysis And Reporting Of Regional And Statewide Transit Networks
Saeed Ghanbartehrani, Ohio University, Stocker Engineering Center 276, Athen, OH, 45701, United States, ghanbart@ohio.edu, Jose David Porter

2 - Mobility Patterns And Service Level Analysis Of A Free Floating Bike Sharing System
Aritra Pal, University of South Florida, Tampa, FL, United States, aritra1@mail.usf.edu, Yu Zhang, Changhyun Kwon

3 - Bike-sharing Market Acceptance Considering A Mixed Fleet Of Bicycles
Mohammad Hossein Shojaei, Michigan State University, Building, East Lansing, MI, 48824, United States, shojaeim@msu.edu, Mehrnaz Ghamami

■ TD53

Music Row 1- Omni

Managing Product Development and Collaboration

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Chair: Wenli Xiao, University of San Diego, 5998 Alcala Park, San Diego, CA, 92110, United States, wenlixiao@sandiego.edu

1 - A Behavioral Analysis On The Use Of An Intermediary In Manufacturing Outsourcing
Qiong Chen, University of Science and Technology of China, qcchen@ustc.edu.cn, Aleda Roth, Gulru F Ozkan-Seely, Fred Switzer

2 - Managing Supplier Incentives For Key Component Testing
Timofey Shalpegin, The University of Auckland Business School, t.shalpegin@auckland.ac.nz

3 - Optimal Product Launch Times For A Firm With A Niche Product
Jacqueline Ng, Northwestern University, Evanston, IL, 60201, United States, jacqueline.ng@northwestern.edu, Izak Duenyas, Seyed Iravani

4 - Student Perceptions Of The Entrepreneurial Mindset Within Capstone Design Projects
Ahad Ali, Lawrence Technological University, sali@ltu.edu

■ TD54

Music Row 2- Omni

Service Science: Health Care Services

Sponsored: Service Science

Sponsored Session

Chair: George Cai, Santa Clara University, Leavey School of Business, Santa Clara, CA, 95053, United States, gcai@scu.edu

Co-Chair: Hui Zhang, Lakehead University, Lakehead University, Thunder Bay, ON, P7B 5E1, Canada, hzhang2@lakeheadu.ca

1 - Payment Contracts To Promote Use Of Optional Diagnostic Tests In Cancer Treatment
Salar Ghamat, Ivey Business School, Western University, sghamat.phd@ivey.ca, Greg Zaric, Hubert Pun

2 - Fair Competition Of Brand Name Drugs Under Rebate Arrangements
Hui Zhang, Faculty of Business Administration, Lakehead University, hzhang2@lakeheadu.ca

■ TD55

Music Row 3- Omni

Inventory Management VI

Contributed Session

1 - Dynamic Pricing, Hedging, And Inventory Management In A Two-product Monopoly Under Cost And Demand Risk
Max F Schoene, Doctoral Student, WHU - Otto Beisheim School of Management, Reinhold-Friedrichs-Str. 49, Muenster, 48151, Germany, max.schoene@whu.edu, Stefan Spinler, John R Birge

2 - A Newsvendor Analysis Of Binomial Yield Production Process
Sungyong Choi, Assistant Professor of Supply Chain Management, Yonsei University, 1 Yoneseidae-gil, College of Government and Business, Wonju, 26493, Korea, Republic of, sungyongchoi@gmail.com, Sumin Jeon, Jinmin Kim, Kwangtae Park

3 - Onshore And Offshore Procurement: Global Sourcing Strategies
Zhe Liu, PhD Candidate, Columbia University, 511 W 112th Street, Apt 24C, New York, NY, 10025, United States, zliu18@gsb.columbia.edu, Awi Federgruen, Lijian Lu

4 - Evaluating The Potential Of Additive Manufacturing For Spare Parts Supply
Rob Basten, Assistant professor, Eindhoven University of Technology, PO Box 513, IE&IS - OPAC, Eindhoven, 5600MB, Netherlands, r.j.i.basten@tue.nl, Bram Westerweel, Geert-Jan Van Houtum

■ TD56

Music Row 4- Omni

Online Crowdfunding

Sponsored: EBusiness

Sponsored Session

Chair: Zaiyan Wei, Purdue University, West Lafayette, IN, United States, zaiyan@purdue.edu

1 - Users' Resilience To Kickstarter Scam
Xue Tan, University of Washington, xuetan@uw.edu, Yingda Lu, Yong Tan

2 - Institutional Investors In Online Crowdfunding
Zaiyan Wei, Purdue University, West Lafayette, IN, 47907, United States, zaiyan@purdue.edu, Mingfeng Lin, Richard Sias

3 - Effects Of Charitable Giving In Crowdfunding: Crowds Fund Our Kids
Qiang Gao, University of Arizona, Tucson, AZ, 85721, United States, qiangg@email.arizona.edu, Paulo B Goes, Mingfeng Lin

4 - Information Disclosure And Crowdfunding
Keongtae Kim, City University of Hong Kong, keongkim@cityu.edu.hk, Jooyoung Park

■ TD57

Music Row 5- Omni

Emerging Behavioral Work by Doctoral students

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Julie Niederhoff, Syracuse University, 721 University Ave, WSOM 500, Syracuse, NY, 13244, United States, jniederh@syr.edu

1 - Risk And Loss Aversion In Information Security Investment: Theory And Experiments
Jie Zhang, The University of Texas at Arlington, 701 S Nedderman Dr, Arlington, TX, 76019, United States, jie.zhang2@mavs.uta.edu, Kay-Yut Chen, Jingguo Wang

2 - Incentivizing Suppliers Using Scorecard
Sina Shokoohyar, University of Texas at Dallas, 800 West Campbell Road, Richardson, TX, Jindal School of Management, Richardson, TX, 75080, United States, Sina.shokoohyar@utdallas.edu, Elena Katok, Anyan Qi

■ TD58

Music Row 6- Omni

Service Science

Contributed Session

Chair: Sara Saberi, Worcester Polytechnic Institute (WPI), Washburn Rm 217, Foisie School of Business, Worcester, MA, 01609, United States, ssaberi@wpi.edu

1 - Server Scheduling Policies For The Queues With Abandonment
Sina Ansari, Northwestern University, McCormick School of Engineering, 2145 Sheridan Road, Evanston, IL, 60208, United States, sinaansari2013@u.northwestern.edu, Seyed Iravani, Laurens G Debo

2 - A Data_driven Approach To Model Fatigue At The Workplace
Zahra Sedighi Maman, PhD Student , Research Scientist, Auburn University, Auburn, AL, 36849, United States, zzs0016@auburn.edu, Mohammad Ali Alamdar Yazdi, Fadel Megahed, Lora Cavuoto

4 - A Network Economic Game Theory Model Of A Service-oriented Internet With Price And Quality Competition In Both Content And Network Provision
Sara Saberi, Assistant Professor, Worcester Polytechnic Institute, Foisie School of Business, 100 Institute Road, Worcester, MA, 01609, United States, ssaberi@wpi.edu, Anna B Nagurney, Tilman Wolf

■ TD59

Cumberland 1- Omni

Green Vehicle Routing

General Session

Chair: Mesut Yavuz, University of Alabama, Box 870226, Tuscaloosa, AL, 35487, United States, myavuz@cba.ua.edu

1 - Electric Vehicle Routing Problem With Time Windows And Multiple Charger Types
Bulent Catay, Prof., Sabanci University, FENS, Tuzla, Istanbul, 34956, Turkey, catay@sabanciuniv.edu, Merve Keskin

2 - Cost Minimization And Fleet Sizing For Multifunction Electric Bus Fleets
Amanda Farthing, Clemson University, Clemson, SC, United States, adfarth@g.clemson.edu, Nora Harris, Robert Riggs, Scott J. Mason

3 - The Maximum Profit Mixed-fleet Electric Vehicle Routing Problem
Isil Koyuncu, University of Alabama, Tuscaloosa, AL, United States, ikoyuncu@crimson.ua.edu, Mesut Yavuz

4 - Greening Patrol Routing Via Extended-range Electric Vehicles
Mesut Yavuz, University of Alabama, myavuz@cba.ua.edu, Burcu B Keskin, Cameron Harvey, Patrick Mitchell

■ TD60

Cumberland 2- Omni

Understanding Shared Mobility and Autonomous Vehicles: Data, Models and Optimization

Sponsored: TSL, Urban Transportation

Sponsored Session

1 - Studying Trip Planning Behavior For Taxi Drivers
Xian-Biao Hu, Metropia, Inc., Tucson, AZ, 85718, United States, xb.hu@metropia.com, Song Gao

2 - Discovering Relationships Of Round-trip Carsharing Factors With Association Rules Technique
Dahye Lee, Texas A&M University, College Station, TX, United States, dahyelee1991@tamu.edu, Luca Quadrifoglio, Benedetta Sanjust di Teulada, Italo Meloni

3 - Household Use Of Autonomous Vehicles: Modeling Framework And Traveler Adaptation
Yashar Khayati, University at Buffalo, Amherst, NY, United States, yasharkh@buffalo.edu, Jee Eun Kang, Mark Henry Karwan, Chase Murray

■ TD61

Cumberland 3- Omni

Routing and Scheduling

Sponsored: TSL, Freight Transportation & Logistics

Sponsored Session

Chair: Ali Ekici, Ozyegin University, TBD, Istanbul, TBD, Turkey, aliekici@gmail.com

1 - Integration Of Passenger And Freight Rail Scheduling
Liang Liu, University of Southern California, Los Angeles, CA, United States, liangliu@usc.edu, Maged M Dessouky

3 - Congestion Reduction Through Efficient Empty Container Movement
Santiago Carvajal, University of Southern California, 1150 W 29th Street, Los Angeles, CA, 90007, United States, scarvaja@usc.edu

4 - A Tour Generation-based Algorithm For An Inventory Routing Problem
Ali Ekici, Ozyegin University, Istanbul, Turkey, ali.ekici@ozyegin.edu.tr, Okan Orsan Ozener

■ TD62

Cumberland 4- Omni

Data and Decisions for Airline and Air Traffic Management

Sponsored: Aviation Applications

Sponsored Session

Chair: Alexandre Jacquillat, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Cambridge, MA, 02116, United States, alexjacq@mit.edu

1 - Flight Scheduling, Flight Planning And Operations Recovery To Minimize Airline Operating Costs
Jane Lee, University of Illinois at Urbana Champaign, jjlee1@illinois.edu

2 - A Combinatorial Auction For Allocation Of Departure And Arrival Slots
Alexander Estes, University of Maryland-College Park, College Park, MD, 20742, United States, aestes@math.umd.edu, Michael O Ball, Mark M Hansen, Yulin Liu

3 - Data-driven Choice-based Airline Fleet Assignment
Chiwei Yan, Massachusetts Institute of Technology, chiwei@mit.edu, Cynthia Barnhart, Vikrant Vaze

4 - A Model For Airport Schedule Coordination Based On The IATA Guidelines
Nuno Ribeiro, University of Coimbra, Coimbra, Portugal, nuno_r_@hotmail.com

■ TD63

Cumberland 5- Omni

Location Analysis II

Sponsored: Location Analysis

Sponsored Session

Chair: Zvi Drezner, California State University-Fullerton, 800 N. State College Blvd., Fullerton, CA, 92834-3599, United States, zdrezner@fullerton.edu

1 - Optimal Placement Of M Finite-size Rectangular Facilities In An Existing Layout
Rakesh Nagi, University of Illinois, Urbana-Champaign, 117 Transportation Building, MC-238, 104 South Mathews Avenue, Urbana, IL, 61801, United States, nagi@illinois.edu, Ketan Date

2 - Solving The Quadratic Assignment Problem Using Graphics Processing Unit Clusters On The Blue Waters Supercomputer
Ketan Date, University of Illinois at Urbana-Champaign, Urbana, IL, United States, date2@illinois.edu, Rakesh Nagi

3 - Discrete Budget Allocation In Competitive Facility Location.
Tammy Drezner, Cal State Fullerton, tdrezner@fullerton.edu, Zvi Drezner

4 - An Iterative Procedure For Solving Non-Convex Non-Linear Programs
Zvi Drezner, Cal State Fullerton, zdrezner@fullerton.edu, Pawel J. Kalczynski

■ TD64

Cumberland 6- Omni

Multiple Criteria Decision Making Applications 2

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Murat Mustafa Koksalan, Middle East Technical University, Ankara, Turkey, koksalan@metu.edu.tr

1 - Probabilistic Algorithms For Multiple Criteria Sorting
Sinem Mutlu, Roketsan, sinemmutlu01@gmail.com, Murat Mustafa Koksalan, Yasemin Serin

2 - Properties Of Optimal Stochastic Programming Solutions In Portfolio Optimization With Different Criteria And Planning Periods
Ceren Tuncer Sakar, Hacettepe University, cerents@hacettepe.edu.tr, Murat Mustafa Koksalan

3 - An Interactive Approach For Biobjective UAV Route Planning In Continuous Space
Murat Mustafa Koksalan, Middle East Technical University, Indus Engineering Department, Ankara, 06531, Turkey, koksalan@metu.edu.tr, Diclehan Tezcaner Ozturk, Hannan Tureci

4 - Interactive Algorithms For a Wide Variety Of Preference Functions
Gulsah Karakaya, Middle East Technical University, Ankara, Turkey, kgulsah@metu.edu.tr, Murat Mustafa Koksalan, Selin Damla Ahipasaoglu

■ TD65

Mockingbird 1- Omni

Social Media and Health 2.0

Sponsored: Information Systems

Sponsored Session

Chair: Lu Yan, Indiana University, Indiana University, Bloomington, IN, 47405, United States, yanlucy@indiana.edu

1 - How Online Comments And Government Ratings Affect Patients' Opinion Of Medical Providers
Weiguang Wang, University of Maryland, 3330 B Van Munching Hall, College Park, MD, 20742-1815, United States, weiguangwang@rhsmith.umd.edu, Niam Yaraghi, Guodong (Gordon) Gao, Ritu Agarwal

2 - Modeling Dynamics Of Service Mechanism, Feedback Mechanism, And Sharing Mechanism: An Empirical Analysis Using Vector Autoregression
Liuan Wang, Harbin Institute of Technology, Harbin, China, wangliuan1973@163.com, Xitong Guo

3 - Facilitate Fit Revelation In a DistributionChannel
Lin Hao, University of Notre Dame, 351 Mendoza College Of Business, Notre Dame, IN, 46556, United States, lhao@nd.edu, Yong Tan

■ TD66

Mockingbird 2- Omni

Technometrics Invited Session: Recent Statistical Methods for Analyzing Big Data

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Peihua Qiu, Professor and Chair, University of Florida, 2004 Mowry Road, Gainesville, FL, 32611, United States, pqiu@phhp.ufl.edu

1 - Discovering The Nature Of Variation In Nonlinear Profile Data
Daniel Apley, Northwestern University, apley@northwestern.edu

2 - A Bootstrap Metropolis-hastings Algorithm For Bayesian Analysis Of Big Data
Faming Liang, University of Florida, faliang@ufl.edu

3 - Online Updating Of Statistical Inference In The Big Data Setting
Elizabeth D. Schifano, University of Connecticut, Storrs, CT, United States, elizabeth.schifano@uconn.edu, Ming-Hui Chen, Chun Wang, Jing Wu, Jun Yan, Yuping Zhang

■ TD67

Mockingbird 3- Omni

QTQM Invited Session

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Jing Li, Arizona State University, Arizona State University, Tempe, AZ, 85287, United States, jing.li.8@asu.edu

1 - A Mixed-effect Model For Analyzing Experiments With Multistage Processes
Kaibo Wang, Tsinghua University, kbwang@tsinghua.edu.cn

2 - Setup Adjustment For Asymmetric Cost Functions Under Unknown Process Parameters
Arda Vanli, Florida State University, 2525 Pottsdamer St, Tallahassee, FL, FL, 32310, United States, oavanli@eng.fsu.edu, Zilong Lian, Enrique Del Castillo"

3 - Bounded Loss Functions And The Characteristic Function Inversion Method For Computing Expected Loss
Matthias Tan, City University of Hong Kong, matthtan@cityu.edu.hk

4 - Quasi-feedforward And Feedback Control For Random Step Shift Disturbance Models
Lihui Shi, Senior Data Scientist, Centerfield Corporation, El Segundo, CA, 90245, United States, shilihui@uw.edu
Lihui Shi, Senior Data Scientist, University of Washington, Seattle, WA, 98195, United States, shilihui@uw.edu

■ TD68

Mockingbird 4- Omni

Reliability Modeling and Optimization in Early Product Design Stages

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Zhaojun Li, Western New England University, Springfield, MA, United States, zhaojun.li@wne.edu

1 - Assessing Failure Dependency In A Complex System
Rong Pan, Arizona State University, Rong.Pan@asu.edu, Petek Yontay

2 - A Multi-objective Approach For Multi-stage Reliability Growth Planning By Considering The Timing Of New Technologies Introduction
Steven LI, Western New England University, zhaojun.li@wne.edu, Mohammad Sadegh Mobin, Hossein Cheraghi

■ TD70

Acoustic- Omni

Transportation, Planning III

Contributed Session

Chair: Fan Xiao, Ph.D Student, Tongji University, Zhangwu Rd 1, Tongji Building A, 1913, Shanghai, 200092, China, 892225786@qq.com

1 - The Effect Of Parking Price Adjustment On Drivers Behavior Evidence From Sf Park Program
Ahmad Mohassel, PhD Candidate, University of Arizona, 1130 E helen st, McClelland Hall, 401, Tucson, AZ, 85721, United States, mohassel@email.arizona.edu

2 - Service Network Design With Heterogeneous Fleet And Time Requirements
Zujian Wang, Tsinghua University, Beijing, China, buwansangyu@gmail.com

3 - Holistic Trip Planning In The Charter Bus Business
Alexander Döge, Technical University of Munich, Schaufeleinstrasse 27B, Munich, 80687, Germany, alexander.doege@tum.de

4 - Modeling Dynamics Of Crowd-delivery And Activity Participation Behavior
Mahdieh Allahviranloo, Assistant Professor, City College New York, CUNY, Steinman Hall, Rm T-134, 160 Convent Avenue, New York, NY, 10031, United States, mallahviranloo@ccny.cuny.edu

■ TD71

Electric- Omni

Vehicle Routing V

Contributed Session

Chair: Debdatta Sinha Roy, PhD Student, Robert H. Smith School of Business, University of Maryland, 7699 Mowatt Lane, 3330 Van Munching Hall, College Park, MD, 20742, United States, debsroy@rhsmith.umd.edu

1 - A Multi Depot Vehicle Routing Problem With Partial Coverage
Elham Kookhahi, wichita state university, 2330 N Oliver St Apt 1018, Wichita, KS, 67220, United States, exkookhahi@wichita.edu Elham Kookhahi, wichita state university, Wichita, KS, United States, exkookhahi@wichita.edu, Mehmet Bayram Yildirim, Mehmet Bayram Yildirim

2 - Heuristic Approaches For Advanced Pick, Place, And Transport-vehicle Routing Optimization Problems: Applications In Warehouse Order Picking Robotics
Hung-Yu Lee, PhD Student, Auburn University, 306 E Magnolia Avenue, 3339 Shelby Center, Auburn, AL, 36849, United States, hzl0024@auburn.edu, Chase Murray

3 - Addressing Uncertainty In Meter Reading For Utility Companies Using Radio-frequency Identification Technology
Debdatta Sinha Roy, PhD Student, Robert H. Smith School of Business, University of Maryland, 7699 Mowatt Lane, 3330 Van Munching Hall, College Park, MD, 20742, United States, debsroy@rhsmith.umd.edu, Bruce L Golden

■ TD72

Bass- Omni

Supply Chain Mgt XII

Contributed Session

Chair: Jooyol Maeng, Assistant Professor, Pacific Lutheran University, School of Business, 12180 Park Avenue S, Tacoma, WA, 98447-0003, United States, maengjy@plu.edu

1 - Vertical Integration And Diversification: Value Chain Analysis From The Smartphone Industry
Suri Gurumurthi, University of North Carolina, 3516 Sawtelle Boulevard, Apt 114, Los Angeles, CA, 90066, United States, Suri_Gurumurthi@kenan-flagler.unc.edu

3 - Supply Chain Ambidexterity
Mehmet G Yalcin, University of Rhode Island, 216 Ballentine Hall, 7 Lippitt Road, Kingston, RI, 02881, United States, mgyalcin@uri.edu, Douglas N Hales

4 - Entry Deterrence And Price Competition Under Asymmetric Information
Jooyol Maeng, Assistant Professor, Pacific Lutheran University, School of Business, 12180 Park Avenue S, Tacoma, WA, 98447-0003, United States, maengjy@plu.edu, Sungyong Choi

■ TD73

Legends A- Omni

Operations Management IV

Contributed Session

Chair: Jose M. Merigo, University of Chile, Av. Diagonal Paraguay 257, Santiago, 8330015, Chile, jmerigo@fen.uchile.cl

1 - Understanding And Managing Sequences Of Alignment Between Technologies And Adopters: Case Research Of Implementations Of A Health Screening Program
Jose Coelho Rodrigues, Researcher, INESC TEC and Faculty of Engineering, University of Porto, Rua Dr Roberto Frias, Porto, 4200, Portugal, jose.c.rodrigues@inesctec.pt, Ana C Barros, João Claro

2 - Mapping Production And Operations Management With VOS Viewer
Jose M. Merigo, University of Chile, Av. Diagonal Paraguay 257, Santiago, 8330015, Chile, jmerigo@fen.uchile.cl, Claudio Muller, Sigifredo Laengle

■ TD74

Legends B- Omni

Optimization Methodology IV

Contributed Session

Chair: Xiang Gao, University of Minnesota, 111 Church Street SE, Minneapolis, MN, 55455, United States, gaoxx460@umn.edu

1 - Auction Algorithms For Distributed Integer Programming Problems With A Coupling Cardinality Constraint
Ezgi Karabulut, Georgia Institute of Technology, 755 Ferst Drive, NW, Atlanta, GA, 30308, United States, ezgi.karabulut@gatech.edu, Shabbir Ahmed, George L Nemhauser

2 - Fuzzification Of Search Techniques For Linear And Nonlinear Optimization
Paul Eugene Coffman, Technical Leader, Virtual Manufacturing and O.R., Ford Motor Company, 6100 Mercury Drive, Dearborn, MI, 48126, United States, gcoffman@ford.com, Stephany Coffman-Wolph

3 - Non-stationary Regret Analysis For A Non-convex Online Learning Model
Xiang Gao, University of Minnesota, 111 Church Street SE, Minneapolis, MN, 55455, United States, gaoxx460@umn.edu, Xiaobo Li, Shuzhong Zhang

■ TD75

Legends C- Omni

Behavioral Operations IV

Contributed Session

Chair: Junlin Chen, Associate Professor, Central University of Finance and Economics, 39 South College Road, Haidian District, Beijing, 100081, China, chenjunlin@cufe.edu.cn

1 - Manufacturer Salespersons Relationships In Global Markets Considering Inventory Policies And Cultural Effects
Sepideh Alavi, PhD Candidate, University of Wisconsin Milwaukee, 1559, N Prospect Ave. Apt 309, Milwaukee, WI, 53202, United States, alavi@uwm.edu

2 - Prediction Of SNS User's Behavior Preference
Peng Zhu, Nanjing University of Science and Technology, School of Economics and Management, 200 Xiaolingwei Street, Nanjing, 210094, China, p.zhu@outlook.com

3 - Strategic Consumer Behavior In Single Rider Lanes At Adventure Parks
Arpit Goel, PhD Student, Stanford, 475 Via Ortega, Huang Engineering Center, Stanford, CA, 94305, United States, argoel@stanford.edu

4 - Crowding-out And Overjustification Effects On Pro-social Behaviors: A Quasi-experimental Study
Dandan Qiao, Tsinghua University, HaiDian District, Beijing, China, qiaodd.12@sem.tsinghua.edu.cn, Shun-Yang Lee, Andrew B Whinston, Qiang Wei

5 - An Experimental Study Of Customer's Risky And Egalitarian Behaviors In a Clearance Sales Problem
Junlin Chen, Associate Professor, Central University of Finance and Economics, 39 South College Road, Haidian District, Beijing, 100081, China, chenjunlin@cufe.edu.cn, Yingshuai Zhao

■ TD76

Legends D- Omni

Decision Analysis II

Contributed Session

Chair: Nikita Korolko, PhD Candidate, Massachusetts Institute of Technology, 1 Amherst st, E40-106 ORC, Cambridge, MA, 2139, United States, korolko@mit.edu

1 - Impact Of Service Payment On Product And Service Supply Chain Considering Time Value
Jiayuan Liu, Tsinghua University, Tsinghua University, 14 Zijing Department, Beijing, 100084, China, liujiayuan46@163.com, Wanshan Zhu

2 - Almost Stochastic Dominance When Utility Is Action-dependent
Chunling Luo, National University of Singapore, Singapore, Singapore, c_luo@u.nus.edu, Chin Hon Tan

3 - Decision Analysis For Locating Partial Building Renovations Regarding Adaptive Reuse
Kristopher Harbin, Doctoral Candidate, The University of Alabama, Tuscaloosa, AL, 35487-0205, United States, kbharbin@ua.edu

4 - Covariate-adaptive Optimization In Online Clinical Trials
Nikita Korolko, PhD Candidate, Massachusetts Institute of Technology, 1 Amherst st, E40-106 ORC, Cambridge, MA, 02139, United States, korolko@mit.edu, Dimitris Bertsimas, Alexander M Weinstein

■ TD77

Legends E- Omni

Opt, Integer Programing IV

Contributed Session

Chair: Joseph B Mazzola, Cleveland State University, 1860 East 18th Street, BU 530, Cleveland, OH, 44115, United States, j.b.mazzola@csuohio.edu

2 - Using Odheuristics To Solve Hard Mixed Integer Programming Problems
Alkis Vazacopoulos, Optimization Direct, Inc., 202 Parkway, Harrington Park, NJ, 07640, United States, alkis@optimizationdirect.com, Robert Ashford

3 - Objective Scaling Ensemble Approach For Integer Linear Programming
Weili Zhang, University of Oklahoma, 202 W. Boyd St., Room 116, Norman, OK, 73019, United States, weili.zhang-1@ou.edu, Charles D. Nicholson

4 - Preventive Maintenance And Replacement Scheduling
Farzad Pargar, University of Oulu, Oulu, Finland, farzad.pargar@oulu.fi, Jaakko Kujala

5 - Non Monotone Submodular Knapsacks And Applications
Avinash Bhardwaj, Postdoctoral Fellow, Georgia Institute of Technology, Room 336, 755 Ferst Drive, NW, Atlanta, GA, 30332, United States, abhardwaj@gatech.edu, Alper Atamturk

1 - Generalizations And Applications Of The Multiperiod Assigment Problem
Joseph B Mazzola, Professor and Endowed Chair, Cleveland State University, 1860 East 18th Street, BU 530, Cleveland, OH, 44115, United States, j.b.mazzola@csuohio.edu

■ TD78

Legends F- Omni

Opt, Network IV

Contributed Session

Chair: Devendra Anil Shelar, Graduate Research Assistant, Massachusetts Institute of Technology, 550 Memorial Drive, Tang Residence Hall, 8D2, Cambridge, MA, 2139, United States, shelard@mit.edu

1 - Cost Minimization Of Government Issued Cell Phones
Alexander Reid Barclay, Slippery Rock University, 20439 Hillview Road, Saegertown, PA, 16433, United States, axb1106@sru.edu, John Yannotty

2 - Bi-objective Maximal-covering Minimal-tour Problem With Applications In Disaster Relief
Sanaz Goldani, PhD. Student, North Carolina State University, 2127A Gorman Street, Raleigh, NC, 27606, United States, sgoldan@ncsu.edu, Yahya Fathi

3 - A Dynamic Programming Approach For Solving The Orienteering Problem With Time Windows Stochastic Profits And Risk Constraints
Hadi Feyzollahi, State University of New York at Buffalo, Buffalo, NY, 14260, United States, hadifeyz@buffalo.edu, Jose Luis Walteros

4 - Pedestrian-vehicle Mixed-flow Routing Problem In Emergency Evacuation Network For Public Places
Lei Bu, Institute for Multimodal Transportation, Jackson, MS, United States, leibu04168@gmail.com, Chuanzhong Yin, Wang Feng, Wenchao Shen, Liang Zou

5 - Vulnerability Analysis Of Optimal Power Flow Problem Under Data Manipulation Attacks
Devendra Anil Shelar, Graduate Research Assistant, Massachusetts Institute of Technology, 550 Memorial Drive, Tang Residence Hall, 8D2, Cambridge, MA, 02139, United States, shelard@mit.edu, Saurabh Amin

■ TD79

Legends G- Omni

Opt, Stochastic IV

Contributed Session

Chair: Junfeng Zhu, University of Minnesota, 1019 29th Ave SE Unit C, Apt 103, Saint Paul, MN, 55414, United States, zhuxx793@umn.edu

1 - A Chance-constrained Two-stage Stochastic Program For A Reliable Microgrid System
Md Abdul Quddus, PhD Student, Mississippi State University, Department of Industrial & Systems Engineering, PO Box 9542, Starkville, MS, 39762, United States, mq90@msstate.edu, Carlos Marino, Ridvan Gedik, Mohammad Marufuzzaman

2 - Tackling Drug Shortages By Examining Resiliency And Robustness In Pharmaceutical Supply Chains
Rana Azghandi, PhD Candidate, Northeastern University, 360 Huntington Avenue, Boston, MA, 02115, United States, azghandi.r@husky.neu.edu, Jacqueline Griffin, Ozlem Ergun

3 - Robust And Optimistic Games With Bounded Polyhedral Uncertainty Sets
Giovanni Paolo Crespi, Associate Professor, Universita' Degli Studi dell'Insubria, Via Monte Generoso, 71, Varese, 21100, Italy, giovanni.crespi@uninsubria.it, Matteo Rocca, Davide Radi

4 - Robust Optimization For Chronic Myeloid Leukemia Treatment Under Uncertainty
Junfeng Zhu, University of Minnesota, 1019 29th Ave SE Unit C, Apt 103, Saint Paul, MN, 55414, United States, zhuxx793@umn.edu

■ TD86

Glbson Board Room-Omni

Marketing VII

Contributed Session

Chair: Zhouyang Lu, Hohai University, Business School, Hohai Univ, 8 Fochengxilu, Jiangning, Nanjing, 211100, China, lzyseu@hhu.edu.cn

1 - Using Trade-in Programs To Mediate Secondary Market Effects In Platform Competition
Chia-Hang Li, PhD Candidate, Illinois Institute of Technology, 10 W. 35th Street, Chicago, IL, 60616, United States, cli63@hawk.iit.edu, David Richardson, Elizabeth J Durango-Cohen

2 - Evaluating Start Ups Marketing Strategies Using An Agent Based Modeling And Simulation Approach.
Ali Arian, Graduate Student, University of Arizona, 1202 e 2nd street, Tucson, AZ, 85721, United States, arian@email.arizona.edu, Yi-Chang Chiu

3 - Brand Leadership, Competitive Pressure, And Social Marketing In The High-end Fashion Industry
Cuicui Chen, PhD Candidate, Harvard University, 79 JFK St, Cambridge, MA, 02138, United States, cuicuichen@fas.harvard.edu, Jorge Ale Chilet, Yusan Lin

4 - A Game Theoretic Approach For Achieving Higher Communities Satisfaction On Ppp Infrastructure Projects
Zhouyang Lu, Hohai University, Business School, Hohai Univ, 8 Fochengxilu, Jiangning, Nanjing, 211100, China, lzyseu@hhu.edu.cn, Jason Salim, Xuemei Su

■ TD87

Broadway A-Omni

Economics I

Contributed Session

Chair: Youzong Xu, Wuhan, China, xu.youzong@wustl.edu

1 - Pricing In A Robust Approach To Electricity Markets
Xiaolong Kuang, Lehigh University, 14 Duh Drive, Apt 324, Bethlehem, PA, 18015, United States, xik312@lehigh.edu, Alberto J Lamadrid, Luis F Zuluaga

2 - Voting With Behavioral Heterogeneity
Youzong Xu, Xi'an Jiaotong-Liverpool University, Wuchan, Suzhou, China, xu.youzong@wustl.edu

3 - Committee Size And Resistance To Information Manipulation
Youzong Xu, Xi'an Jiaotong-Liverpool University, Suzhou, China, xu.youzong@wustl.edu, Bo Li

4 - Surviving Recessions: Relationships In Thoroughbred Horse Industry
Cristina Nistor, Chapman University, One University Drive, Orange, CA, 92866, United States, nistor@chapman.edu, Darcy Fudge Kamal

■ TD88

Broadway B-Omni

Queues and Server Behavior

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Mirko Kremer, Frankfurt School of Finance and Management gGmbh, Frankfurt, Germany, m.kremer@fs.de

1 - Goal Setting In Teams: A Real-effort Coordination Experiment
James Fan, Penn State University, State College, PA, 16802, United States, juf187@psu.edu, Joaquin Gomez-Minambres

2 - Experiment Of Hospital Admission Decision Behavior Under Congestion And Patient Severity Uncertainty
Song-Hee Kim, Marshall School of Business, University of Soouthern California, Los Angeles, CA, United States, songheek@marshall.usc.edu

3 - Social Norms In Customer-operated Service Systems
Chen Jin, Northwestern University, chen.jin198829@gmail.com

■ TD89

Broadway C-Omni

Modeling Information for Intelligent Transportation Systems

Sponsored: TSL, Intelligent Transportation Systems (ITS)

Sponsored Session

Chair: Lili Du, Illinois Institute of Technology, 3201 South Dearborn Street, Chicago, IL, 60616, United States, ldu3@iit.edu

1 - Information Spreading Dynamics Over Vehicular Ad Hoc Network On Road Segments Based On Cell Transmission Model
Siyuan Song, Illinois Institute of Technology, Department of Civil, Architectural, and Environmental Engineering, Chicago, IL, 60616, United States, sgong1@hawk.iit.edu, Lili Du, Xiang-Yang Li

2 - How Likely Am I To Find Parking? – Modeling of Stochastic Parking Processes And Probabilistic Estimation Of Parking Availability
Jun Xiao, Arizona State University, Tempe, AZ, United States, jun.xiao.1@asu.edu, Yingyan Luo, Joshua Frisby

3 - Identifying Social Interaction Networks For Planned Special Events
Arif Mohaimin Sadri, Purdue University, West Lafayette, IN, United States, asadri@purdue.edu, Samiul Hasan, Satish Ukkusuri, Juan Esteban Suarez

4 - Psychological Effects Of Real-Time TravelInformation On Route Choice Behavior Of Heterogeneous Travelers – Analysis Of Interactive Driving Simulator Experiment Data
Dong Yoon Song, Purdue University, School of Civil Engineering, West Lafayette, IN, United States, song50@purdue.edu, Srinivas Peeta

■ TD90

Broadway D-Omni

Health Care, Modeling XI

Contributed Session

Chair: Miao Bai, Lehigh University, Bethlehem, PA, 18015, United States, mib411@lehigh.edu

1 - Evaluating Prioritization Schemes For Hepatitis C Treatment Under Budget Constraints
Lauren E Cipriano, Assistant Professor, Ivey Business School, 1255 Western Road, Room 2361, London, ON, N6G 0N1, Canada, lcipriano@ivey.uwo.ca, Shan Liu, Kaspar S. Shazada, Mark Holodniy, Jeremy D Goldhaber-Fiebert

2 - Robust Surgery Planning And Scheduling With Downstream Bed Capacity In ICU
Chun Peng, PhD Candidate, Beijing Institute of Technology, Haidian District, 5 South Street, Beijing, 100081, China, pengchun12.18@163.com, Jinlin Li, Shanahan Wang

4 - Using Simulation To Improve Access To Care For Underserved Populations
Rozhin Doroudi, Northeastern University, 360 Huntington Ave, Boston, MA, 02115, United States, doroudi.r@husky.neu.edu, Ayten Turkcan, Tammy Toscos, Huanmei Wu, Brad Doebbeling

5 - Reactive Surgery Rescheduling On The Day Of Surgery
Miao Bai, Lehigh University, Bethlehem, PA, 18015, United States, mib411@lehigh.edu, R.H. Storer, G.L. Tonkay, Terrill Theman

■ TD94

5th Avenue Lobby-MCC

Technology Tutorial: FICO

Technology Tutorial

1 - FICO: How To Deploy Your Analytic Models To Empower Non-technical Business Users
James Williams, FICO, Roseville, MN, United States, JWilliams@fico.com

Wednesday, 8:00AM - 9:30AM

■ WA01

101A-MCC

Forecasting

Sponsored: Data Mining

Sponsored Session

Chair: Ivan G Guardiola, Missouri S&T, 600 W. 14th St, Rolla, MO, 65409, United States, guardiolai@mst.edu

1 - Ensemble Methods With Disparate Data Sources For Stock Market Prediction
Lin Lu, Auburn University, Auburn, AL, United States, lzl0032@auburn.edu, Bin Weng, Fadel Mounir Megahed

2 - Occupancy Level Analysis At A VA Hospital That Considers Discharge Of Patient Medical Decisions
Ivan G Guardiola, Associate Professor, Missouri S&T, 600 W. 14th St, Rolla, MO, 65409, United States, guardiolai@mst.edu, Tatiana Cardona

■ WA02

101B-MCC

Data Mining in Healthcare 1

Sponsored: Data Mining

Sponsored Session

Chair: Adel Alaeddini, University of Texas at San Antonio, Department of Mechanical Engineering, One UTSA Circle, San Antonio, TX, 78249, United States, adel.alaeddini@utsa.edu

Co-Chair: Anh Pham, University of Arkansas, 1411 S Washington Avenue, Fayetteville, AR, 72701, United States, anh.pham1234@gmail.com

1 - Using Data Mining To Detect Fraud And Abuse Under National Health Insurance System In China
Chong Li, Beijing Institute of Technology, Beijing, 100081, China, lichongbit@163.com, Zihao Jiao, Huijuan Cao

2 - Understanding The Association Of Clinical Characteristics Of Low Grade Gliomas With Disease Outcomes
Anh Pham, Student, University of Arkansas, 1 University Avenue, Fayetteville, AR, 72701, United States, anh.pham1234@gmail.com, Shengfan Zhang

3 - Modeling The Accumulation Of Comorbidities In Patients With Multiple Chronic Conditions
Adel Alaeddini, University of Texas at San Antonio, Department of Mechanical Engineering, One UTSA Circle, San Antonio, TX, 78249, United States, adel.alaeddini@utsa.edu

■ WA03

101C-MCC

Big Data

Contributed Session

1 - Discriminant Analysis And The Baseball Hall Of Fame
Tom Brady, Purdue University, 1401 S US Hwy 421, Westville, IN, 46391, United States, tbradyjr@pnc.edu, Tom Brady

2 - Graphical Lasso And Thresholding: Conditions For Equivalence
Somayeh Sojoudi, University of California, Berkeley, 1543 Delaware Street, Berkeley, CA, 94703, United States, somayeh.sojoudi@gmail.com

3 - Quantitative Compliance As A Driver For Automation
Leif Meier, Professor, University of Applied Sciences Bremerhaven, An der Karlstadt 8, Bremerhaven, 27568, Germany, lmeier@hs-bremerhaven.de

4 - Representing Uncertainty With Convex Model Databases
Anushka Chandrababu, Research Scholar, International Institute of Information Technology, Bangalore, 26/C, Electronic City, Bangalore, India, anushka.babu@iiitb.org, Srinivasa Prasanna

5 - A Recommender Systems Approach For Predicting Utility Of Various Mobile Services
Abhay Kumar Bhadani, Indian Institute of Technology-Delhi, Ground Floor office, New Delhi, 110016, India, abhaybhadani@gmail.com, Ravi Shankar, Vijay Rao

■ WA04

101D-MCC

Optimization in converter-based power systems

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Joshua Adam Taylor, University of Toronto, 10 King's College Road, SF 1021C, Toronto, ON, M5S 3G4, Canada, taylor.a.josh@gmail.com

1 - Designing Microgrid Dynamics
Baosen Zhang, University of Washington, zhangbao@uw.edu

2 - Frequency Control In Microgrids: Distributed Implementation And Intrusion Detection
Lin-Yu Lu, University of Illinois at Urbana Champaign, Urbana, IL, United States, lyl@illinois.edu, Hao Zhu

3 - Optimizing The Interplay Between The Micro And Macro Grids: From Challenges To Perspectives
Luckny Zephyr, Postdoctoral Associate, Cornell University, Ithaca, NY, 14853, United States, lz395@cornell.edu, C. Lindsay Anderson

4 - Optimizing Power Electronic Converters Using Geometric Programming
Andrija Stupar, University of Toronto, andrija@stupar.com

■ WA05

101E-MCC

Forest Management II

Sponsored: Energy, Natural Res & the Environment II Forestry

Sponsored Session

Chair: Peter Rauch, BOKU-Univ of Natural Resources & Life Sciences, Institute of Production and Logistics, Wien, 1180, Austria, Peter.rauch@boku.ac.at

1 - Quantifying The Conflict between Competing Forest Ecosystem Services under Alternative Climate Scenarios
Nicholas Kullman, University of Washington, Nick.Kullman@gmail.com, Sandor Toth

2 - A Replanning Model For Maximizing Woodland Caribou Habitat Alongside Timber Production
David L Martell, University of Toronto, david.martell@utoronto.ca, Andrew B. Martin, Jonathan Leo William Ruppert, Eldon Gunn

3 - Modeling The Spatial Interactions Of Timber Harvesting And Sitka Deer Habitat On The Tongass National Forest
Yu Wei, Colorado State University, yu.wei@colostate.edu, Michael Bevers, Curt Flather, Greg Hayward, Ben Case, Mary Friberg, Thomas Hanley

4 - How Does Climate Change Impact On Wood Supply Security?
Peter Rauch, BOKU-Univ of Natural Resources & Life Sciences, Peter.rauch@boku.ac.at

■ WA06

102A-MCC

Text Mining I

Sponsored: Data Mining

Sponsored Session

Chair: Majeed Simaan, RPI, 231 Congress Street, Troy, NY, 12180, United States, simaam@rpi.edu

1 - Text Mining Based Prediction Model For Incident Occurrences In Steel Plant
Sobhan Sarkar, Research Scholar, IIT, IIT kharagpur, kharagpur, 721302, India, sobhan.sarkar@gmail.com, Vishal Lakha, Irshad Ansari, Jhareswar Maiti

2 - Text Mining Approaches To Understand The Time Based Impact Of Passing Successful Legislation
Aindrila Chakraborty, PhD Student, University of Connecticut, 2100 Hillside Road Unit 1041, Storrs, CT, 06269, United States, aindrila.chakraborty@business.uconn.edu

3 - Analyzing Analytics Curricula
Thomas Tiahrt, Assistant Professor of Decision Sciences, University of South Dakota, 414 E. Clark St., Beacom School of Business, Vermillion, SD, 57069, United States, thomas.tiahrt@usd.edu

4 - When Positive Sentiment Is Not So Positive Textual Analytics And Bank Failures
Majeed Simaan, RPI, 231 Congress St., TroyY, NY, 12180, United States, simaam@rpi.edu, Aparna Gupta, Mohammed Zaki

■ WA07

102B-MCC

Data Mining in Marketing

Sponsored: Data Mining

Sponsored Session

Chair: Jiaqi Liu, MD, United States, buptliujiaqi@qq.com

1 - Value In The Eye Of The Beholder: Insights From Data Mining Diamond Prices.
Stanislav Mamonov, Montclair State University, 1 Normal Ave, School of Business, Montclair, NJ, 07043, United States, stanislav.mamonov@montclair.edu, Tamilla Mavlanova, Nibedita Mohanty, Jacqueline Galal

2 - Paid Search Advertising: Ideas And Pitfalls
Lihui Shi, Centerfield Corporation, 1637 E Maple Avenue, Apt 6, El Segundo, CA, 90245, United States, shilihui@uw.edu

3 - Research On The Influence Of Microblog Advertising Of Theatre Chain On Its First Week Box Office Revenue
Jiayin Qi, Shanghai University of International Business and Economics, Shanghai, 100876, China, qijiayin@139.com, Jiaqi Liu

■ WA08

103A-MCC

Supply Chain Mgt, Green

Contributed Session

Chair: Cao Binbin, PhD Candidate, School of Management, Xi'an Jiaotong University, No.28, Xianning Road, Xi'an, Shaanxi, Xi'an, Shaanxi, 710049, China, caobinbin89@stu.xjtu.edu.cn

1 - On The Optimal Control Of Remanufacturing Activities With Quality Variation Of Returns
Sajjad Farahani, PhD Student, University of Wisconsin - Milwaukee, Milwaukee, WI, 53211, United States, farahani@uwm.edu, Wilkistar A Otieno, Xiaohang Yue

2 - Forwarders' Cooperative Game In Excessive Capacity Exchange
Xuefei Shi, Southeast University, Sipailou II, nanjing, 211189, China, 230159160@seu.edu.cn, Haiyan Wang, Minghui Lai

3 - The Implications Of Environmental Regulations On Market Area Size And Green Investment Decisions
Nazli Turken, Assistant Professor, Cleveland State University, 11900 Edgewater Dr. Apt 1308, Apt 1308, Lakewood, OH, 44107, United States, n.turken@csuohio.edu

4 - Supplier's Environmental Innovation Under Government's Emission Tax On A Manufacturer
Bosung Kim, PhD Candidate, KAIST College of Business, 85 Hoegi-ro, Dongdaemun-Gu, Seoul, 130-722, Korea, Republic of, kim-bs@business.kaist.ac.kr, Se Youn Jung, Kun Soo Park

5 - Joint Decision on Emission And Pricing In Waste-based Supply Chain: Insights from Hybrid Environmental Policies
Cao Binbin, PhD Candidate, School of Management, Xi'an Jiaotong University, No.28, Xianning Road, Xi'an, Shaanxi, 710049, China, caobinbin89@stu.xjtu.edu.cn, Xiao Zhongdong

■ WA09

103B-MCC

Sustainable and Responsible Supply Chain Management II

Sponsored: Energy, Natural Res & the Environment I Environment & Sustainability

Sponsored Session

Chair: Jose Cruz, Associate Professor, University of Connecticut, 100 Constitution Plaza, West Hartford, CT, 06103, United States, jcruz@business.uconn.edu

1 - Social Responsibility Investments: Financial Networks Analysis
Jose Cruz, University of Connecticut, jcruz@business.uconn.edu

2 - Corporate Environmental And Social Responsibility In Supply Chains: Exploring Actions And Performance
Trisha Anderson, Texas Wesleyan University, trdanderson@txwes.edu

3 - Economic Generation Dispatch: A Viral Approach
Carlos Marco Ituarte-Villarreal, SWCA Environmental Consultants, El Paso, TX, 79912, United States, cmituartevillarreal@miners.utep.edu, Francisco O Aguirre

■ WA10

103C-MCC

Open Pit and Supply Chain Mine Planning

Sponsored: Energy, Natural Res & the Environment, Natural Resources I Mining

Sponsored Session

Chair: Alexandra M Newman, Colorado School of Mines, 1104 Maple Street, Golden, CO, 80401, United States, anewman@mines.edu

1 - Optimal Stockpiling Strategies In Open Pit Mining
Mojtaba Rezakhah, Colorado School of Mines, mrezakha@mines.edu

2 - An Aggregation Branching Scheme For The Resource-constrained Open Pit Mine Scheduling Problem
Renaud Pierre Chicoisne, University of Colorado denver, renaud.chicoisne@gmail.com

3 - Heuristic Method For The Stochastic Open-pit Mine Production Scheduling Problem
Adrien Rimélé, Master's Student,École Polytechnique de Montréal, 7593 Rue Berri, Montréal, QC, H2R2G8, Canada, adrien.rimele@polymtl.ca, Michel Gamache, Roussos Dimitrakopoulos

5 - A Benders-decomposition-based Method For The Simultaneous Optimization Of A Mineral Value Chain
Jian Zhang, McGill University, Montreal, QC, Canada, jian.zhang9@mail.mcgill.ca, Roussos G. Dimitrakopoulos

■ WA11

104A-MCC

Risk Averse Optimization in Networks

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Pavlo Krokhmal, Professor, University of Arizona, 1127 E James E. Rogers Way, Tucson, AZ, 85721, United States, krokhmal@email.arizona.edu

1 - Analysis Of Budget For Interdiction On Multicommodity Network Flows
Neng Fan, University of Arizona, nfan@email.arizona.edu, Pengfei Zhang

2 - Detecting Large Risk-averse 2-clubs In Graphs With Random Edge Failures
Foad Mahdavi Pajouh, University of Massachusetts Boston, Boston, MA, United States, foad.mahdavi@umb.edu, Esmaeel Moradi, Balabhaskar Balasundaram

3 - Clusters Represent Cliques
Maciej Rysz, Air Force Research Lab, mwrysz@yahoo.com

4 - Optimization Of Cascading Processes In Multiscale Networks With Stochastic Interactions
Oleg A Prokopyev, University of Pittsburgh, 1037 Benedum Hall, Pittsburgh, PA, 15261, United States, droleg@pitt.edu, Juan Borrero, Pavlo Krokhmal

■ WA12

104B-MCC

Optimization in Cyber Defense

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Les Servi, MITRE, 202 Burlington Road, Bedford, MA, 01730, United States, lservi@mitre.org

Co-Chair: Doug Altner, MITRE Corporation, 7525 Colshire Drive, McLean, VA, 22102, United States, daltner@mitre.org

1 - A Supply Chain Network Game Theory Model Of Cybersecurity Investments With Nonlinear Budget Constraints
Shukla Shivani, University of Massachusetts, Amherst, MA, United States, sshukla@som.umass.edu, Anna B Nagurney, Patrizia Daniele

2 - Optimal Scheduling Of Cybersecurity Analysts For Minimizing Risk
Rajesh Ganesan, George Mason University, Fairfax, VA, 22030-4422, United States, ashah20@masonlive.gmu.edu, Ankit Shah, Sushil Jajodia, Hasan Cam

3 - Dynamic Scheduling Of Cybersecurity Analysts For Minimizing Risk Using Reinforcement Learning
Rajesh Ganesan, George Mason University, Fairfax, VA, 22030-4422, United States, ashah20@masonlive.gmu.edu, Ankit Shah, Sushil Jajodia, Hasan Cam

4 - A Two-stage Stochastic Shift Scheduling Model For Cybersecurity Workforce Optimization With On Call Options
Doug Altner, MITRE Corporation, McLean, VA, United States, daltner@mitre.org, Les Servi

■ WA13

104C-MCC

Recent Developments in Optimization Software

Sponsored: Optimization, Computational Optimization and Software

Sponsored Session

Chair: Hans Mittelmann, Arizona State University, Box 871804, Tempe, AZ, 85287-1804, United States, mittelmann@asu.edu

1 - Selected Benchmark Results
Hans Mittelmann, Arizona State University, mittelmann@asu.edu

2 - Recent Advances In The New Mosek 8
Andrea Cassioli, MOSEK, andrea.cassioli@mosek.com Erving Anderson

3 - Recent Advances In The SCIP Optimization Suite
Gregor Hendel, Zuse Institute Berlin, Takustrasse 7, Berlin, 14195, Germany, hendel@zib.de

4 - UG[PIPS-SBB, MPI]: A Massively Parallel Branch-and-bound Solver For Stochastic Mixed-integer Programs
Yuji Shinano, Zuse Institute Berlin, shinano@zib.de, Lluis-Miquel Munguia, Geoffrey Malcolm Oxberry, Deepak Rajan

■ WA14

104D-MCC

Inventory Management

Contributed Session

Chair: Reha Uzsoy, North Carolina State University, Dept. of Industrial & Systems Engg, 300 Daniels Hall Camps Box 7906, Raleigh, NC, 27695-7906, United States, ruzsoy@ncsu.edu

1 - Inventory Pooling With Environmental Constraints Using Copulas
Werner Jammernegg, WU Vienna (Vienna University of Economics), Dept of Info Systems and Operations, Welthandelsplatz 1, Wien, A-1020, Austria, werner.jammernegg@wu.ac.at, Lena Silbermayr, Peter Kischka

2 - Inventory Control Policy For A Periodic Review System With Expediting
Yi Tao, Assistant Professor, Guangdong University of Technology, 161 Yinglong Road, Tianhe District, Guang Zhou, 510520, China, kenjimore@gmail.com, Loo Hay Lee, Ek Peng Chew, Gang Sun, Charles Vincent

3 - A Hybrid Approach To Centralized Drug Inventory Management In A Chain Of Pharmacy Stores
Tom Brady, Purdue University, 1401 S US Hwy 421, Westville, IN, 46391, United States, tbradyjr@pnw.edu

4 - Managing Inventory Of Perishable Products at Multiple Locations
Fang Liu, Assistant Professor, Nanyang Technological University, S3-B2a-13, 50 Nanyang Avenue, Singapore, 639798, Singapore, liu_fang@ntu.edu.sg, Yun Fong Lim

5 - Solving Stochastic Inventory Problems By Integer Programming
Reha Uzsoy, North Carolina State University, Dept. of Industrial & Systems Engg, 300 Daniels Hall Camps Box 7906, Raleigh, NC, 27695-7906, United States, ruzsoy@ncsu.edu, Jaap Arts, Ton de Kok, Seza Orcun

■ WA16

105A-MCC

Large-scale Stochastic Mixed-integer Programs

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Gabriel Lopez Zenarosa, University of Pittsburgh, 3700 O'Hara Street, Benedum Hall 1048, Pittsburgh, PA, 15261, United States, glz5@pitt.edu

1 - PH-BAB: A Progressive Hedging Based Branch And Bound Algorithm
Semih Atakan, PhD Student, University of Southern California, Los Angeles, CA, United States, atakan@usc.edu, Suvrajeet Sen

2 - New Approaches For The Stochastic Network Interdiction Problem
Eli Towle, University of Wisconsin-Madison, etowle@wisc.edu, Jim Luestke

3 - Two-stage Stochastic Programming For Influence Maximization
Hao-Hsiang Wu, Ohio State University, Columbus, OH, 43202, United States, wu.2294@osu.edu, Simge Kucukyavuz

4 - Solving Large-scale Stochastic Programs Using Generalized Value Function
Onur Tavaslioglu, PhD Student, University of Pittsburgh, Pittsburgh, PA, United States, ont1@pitt.edu, Andrew J Schaefer, Oleg A Prokopyev

■ WA17

105B-MCC

Convex and Conic Relaxations in Machine Learning

Sponsored: Optimization, Nonlinear Programming

Sponsored Session

Chair: Amir Ali Ahmadi, Princeton University, 329 Sherrerd Hall, Princeton, NJ, 08540, United States, a_a_a@princeton.edu

Co-Chair: Georgina Hall, Princeton University, Sherrerd Hall, Princeton, NJ, 08544, United States, gh4@princeton.edu

1 - A New Perspective On Boosting In Linear Regression Via Subgradient Optimization And Relatives
Rahul Mazumder, MIT Sloan School of Management, rahulmaz@mit.edu

2 - Making Sketchy Decisions: Semidefinite Programming With Optimal Storage
Madeleine Udell, Cornell University, Ithaca, NY, United States, udell@cornell.edu, Joel Tropp, Alp Yurtsever, Volkan Cevher

■ WA18

106A-MCC

DMA Data-Driven Models

Contributed Session

Chair: Nuo Xu, University of Alabama at Birmingham, 5720 11th Avenue South, Birmingham, AL, 35222, United States, nuoxu@uab.edu

1 - Remaining Useful Life Prediction Of Lithium Ion Batteries Using A Novel Degradation Model
Fangfang Yang, City University of Hong Kong, Hong Kong, China, fangfyang2-c@my.cityu.edu.hk, Kwok-Leung Tsui

2 - Process Monitoring And Diagnosis Of Hot Rolled Trip Based On Regression Coefficients Of Batches
Fei He, University of Science and Technology Beijing, China, Beijing, China, hefei@ustb.edu.cn

3 - Data Science And The Liberal Arts Curriculum
Anna Engelsone, Maryville College, Maryville, TN, United States, anna.engelsone@yahoo.com

4 - A Measure Of General Functional Dependence Among Multiple Continuous Variables
Nuo Xu, University of Alabama at Birmingham, 5720 11th Avenue South, Birmingham, AL, 35222, United States, nuoxu@uab.edu, Xuan Huang

■ WA19

106B-MCC

Uncertainty in Engineered Networks

Sponsored: Computing

Sponsored Session

Chair: Russell Bent, Los Alamos National Laboratory, Los Alamos National Laboratory, Los Alamos, NM, 00000, United States, rbent@lanl.gov

1 - Optimal Robust Battery Operation
Shuoguang Yang, Columbia University, sy2614@columbia.edu

2 - Unit Commitment With N-1 Security And Wind Uncertainty
Kaarthik Sundar, Texas A&M, kaarthik01sundar@gmail.com, Harsha Nagarajan, Miles Lubin, Sidhant Misra, Russell Bent, Line Roald, Daniel Bienstock

3 - Efficient Dynamic Compressor Optimization In Natural Gas Transmission Systems
Pascal Van Hentenryck, University of Michigan, pvanhent@umich.edu

■ WA20

106C-MCC

Mining Qualitative Attributes to Assess Corporate Performance

Invited: Tutorial

Invited Session

Chair: Ananda Swarup Das, IBM India Research Labs, India, New Delhi, 1, India, anandas6@in.ibm.com

1 - Mining Qualitative Attributes To Assess Corporate Performance
Aparna Gupta, Rensselaer Polytechnic Institute, 110 Eighth Street, Troy, NY, 12180, United States, guptaa@rpi.edu, Ananda Swarup Das, L Venkata Subramaniam, Gagandeep Singh

■ WA21

107A-MCC

Chronic Disease Management

Sponsored: Health Applications

Sponsored Session

Chair: Vedat Verter, McGill University, 1001 rue Sherbrooke Ouest, Bronfman Building, Montreal, QC, H3A 1G5, Canada, vedat.verter@mcgill.ca

Co-Chair: Michael Klein, McGill University, McGill, Montreal, QC, Canada, michael.klein2@mail.mcgill.ca

1 - Chronic Disease Management And The Role Of Incentives
Christian Wernz, Virginia Tech, cwernz@vt.edu, Hui Zhang

2 - Dialysis Facility Network Design
Michael Klein, McGill University, 1001 Sherbrooke Street West, Montreal, QC, H3A 1G5, Canada, michael.klein2@mail.mcgill.ca, Vedat Verter, Brian Moses

■ WA22

107B-MCC

Healthcare Analytics

Sponsored: Health Applications

Sponsored Session

Chair: Zahra Gharibi, Southern Methodist University, 3145 Dyer Street, Suite 372, Dallas, TX, 75205, zgharibi@mail.smu.edu

1 - Optimal Care Pathways For Lower Back Pain Patients
Danny R Hughes, Harvey L. Neiman Health Policy Institute, Reston, VA, United States, dhughes@neimanhpi.org
Danny R Hughes, George Mason University, Fairfax, VA, United States, dhughes@neimanhpi.org, Jeremy Eckhause, Katharina Ley Best

3 - Effect Of Report Cards On Kidney Transplantation Related Decision Making
zahra Gharibi, Dept. of Engineering Management, Information, and Systems Bobby B. Lyle School of Engineering, SMU, zgharibi@smu.edu, Mehmet U.S. Ayvaci, Michael Hahsler

■ WA23

108-MCC

Operations Research for Public Health: Data-Driven and Dynamic Decion Making Approaches

Sponsored: Health Applications

Sponsored Session

Chair: Soroush Saghafian, Harvard Univeristy, 79 John F. Kennedy Street, Mailbox 37, Cambridge, MA, 02138, United States, soroush_saghafian@hks.harvard.edu

1 - Impact Of Breast Density And Supplemental Screening Methods On Breast Cancer Screening Policies
Mucahit Cevik, University of Wisconsin - Madison, Madison, WI, United States, cevik2@wisc.edu, Burhaneddin Sandikci

2 - Impact Of Ambiguity on Medications Management Strategies: An Application To NODAT
Alireza Boloori, Arizona State University, Tempe, AZ, United States, alireza.boloori@asu.edu, Soroush Saghafian, Harini A. Chakkera, Curtiss B. Cook

3 - Robust Dynamic Programming For Medical Decision Making
Lauren N. Steimle, University of Michigan, Ann Arbor, MI, United States, steimle@umich.edu, Brian T Denton

4 - Optimal Intervention Strategies For Hypertensive Disorders Of Pregnancy
Aysegul Demirtas, Arizona State University, Tempe, AZ, United States, Aysegul.Demirtas@asu.edu, Esma S Gel, Soroush Saghafian, Dean Coonrod

■ WA24

109-MCC

Scheduling and Capacity Management in Healthcare

Sponsored: Health Applications

Sponsored Session

Chair: Maya Bam, University of Michigan, 1205 Beal Avenue, Ann Arbor, MI, 48109, United States, mbam@umich.edu

1 - Scheduling Operating Rooms With Elective And Emergency Surgeries
Kyung Sung Jung, University of Florida, 364 Stuzin Hall, PO Box 117169, Gainesville, FL, 32611, United States, ksjung@ufl.edu, Michael L Pinedo, Chelliah Sriskandarajah, Vikram Tiwari

2 - Two-stage Robust Optimization Of Multi-stage Care Planning: Formulation And Computational Challenges
Saba Neyshabouri, George Mason University, Fairfax, VA, 22030, United States, sneyshab@gmu.edu, Bjorn Berg

3 - Capacity And Flow Management In Emergency Departments With A Fast Track
Elham Torabi, University of Cincinnati, 2925 Campus Green Dr., Cincinnati, OH, 45221, United States, torabiem@mail.uc.edu Elham Torabi, University of Cincinnati Medical Center, Cincinnati, OH, United States, torabiem@mail.uc.edu, Craig Froehle, Craig Froehle, Craig Froehle, Christopher Miller

4 - Planning Models For Skills-sensitive Surgical Nurse Staffing
Maya Bam, University of Michigan, Ann Arbor, MI, United States, mbam@umich.edu, Maya Bam, University of Michigan Health System, Ann Arbor, MI, United States, mbam@umich.edu, Zheng Zhang, Brian T Denton, Mark P Van Oyen, Mary Duck, Joshua Pigula

■ WA25

110A-MCC

Logistics I

Contributed Session

Chair: Jiahong Zhao, Guangdong University of Technology, No.100 Waihuanxilu Daxuecheg, Guangzhou, 510006, China, zhaojiahong1@126.com

1 - The Regional Logistics Hubs Location Problem Based On The Topsis And Genetic Algorithm The Case Of Sichuan In China
Si Chen, Dr., Southwest Jiaotong University, #111 The First Block of North Erhuan Road, Chengdu, 610031, China, chensi@swjtu.edu.cn, Dong Chen, Mi Gan

2 - Data Driven Approach To Crowd Delivery In Last Mile
Loo Hay Lee, National University of Singapore, 10 Kent Ridge Cresent, Industrial and Systems Engineering, Singapore, 119260, Singapore, iseleelh@nus.edu.sg, Yuan Wang, Dong Xiang Zhang, Ek Peng Chew

3 - Adaptive Warehouses: Look At The Past, Not The Future
Nima Zaerpour, Assistant Professor of Operations Management, California State University San Marcos, 333 S Twin Oaks Valley Rd., Markstein 446, San Marcos, CA, 92096, United States, nzaerpour@csusm.edu, Sholeh Norouzzadeh

4 - A Location Inventory Routing Optimization Model For Explosive Waste Management
Jiahong Zhao, Guangdong University of Technology, No.100 Waihuanxilu Daxuecheg, Guangzhou, 510006, China, zhaojiahong1@126.com, Ginger Yi Ke

■ WA26

110B-MCC

Display Advertising Markets

Invited: Auctions

Invited Session

Chair: De Liu, Carlson School of Management, 3-163 CSOM, University of Minnesota, Minneapolis, MN, 55455, United States, deliu@umn.edu

Co-Chair: Dengpan Liu, Iowa State University, 3321 Gerdin Building, Ames, IA, 50011, United States, dliu@iastate.edu

1 - Closed-loop Versus Open-loop Advertising Competition In Electronic Retailing: Operational And Organizational Considerations
Dengpan Liu, Iowa State University, dliu@iastate.edu

2 - Architecture Of In App Ad Recommender System
Anik Mukherjee, Indian Institute of Technology - Madras, India, anikit.jgec@gmail.com

3 - Procurement Policies For Mobile-promotion Platforms
Manmohan Aseri, University of Texas - Dallas, Richardson, TX, 75080, United States, mxa113030@utdallas.edu

■ WA27

201A-MCC

Humanitarian Operations Management

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Alfonso J Pedraza-Martinez, Indiana University, 1309 E 10th Street, Bloomington, IN, 47405, United States, alpedraz@indiana.edu

1 - Volunteer Management In Charity Storehouses
Alfonso J Pedraza-Martinez, Indiana University, Kelley School of Business, 1309 East 10th Street, Bloomington, IN, 47405, United States, alpedraz@indiana.edu, Maria Besiou

2 - Deployment Guidelines For Community Health Workers In Sub-saharan Africa
Jonas Jonasson, London Business School, London, United Kingdom, jjonasson@london.edu, Carri Chan, Sarang Deo, Jeremie Gallien

3 - Global Vehicle Supply Chains In Humanitarian Operations: A Network Analysis Approach
Jon M. Stauffer, Texas A&M University, College Station, TX, United States, jstauffer@mays.tamu.edu, Alfonso J Pedraza-Martinez, Lu Yan

4 - Assessing The Impact Of Network Vulnerability On Relief Distribution Operations Considering Social Costs
Miguel Jaller, University of California Davis, mjaller@ucdavis.edu, Luis Fernando Macea, Victor Cantillo

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202A-MCC

Operations with Social Impact

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Deishin Lee, Boston College, Chestnut Hill, MA, United States, deishin.lee@bc.edu

1 - Dynamic Staffing Of Volunteer Gleaning Operations
Erkut Sonmez, Assistant Professor, Boston College, Carroll School of Management, Boston College, Fulton Hall, Office 350D, Chestnut Hill, MA, 02467, United States, sonmeze@bc.edu, Baris Ata, Deishin Lee

2 - Strategic Commitment To A Production Schedule With Supply And Demand Uncertainty: Renewable Energy In Day-ahead Electricity Markets
Nur Sunar, UNC at Chapel Hill, nur_sunar@kenan-flagler.unc.edu, John R Birge

3 - Distributed Renewable-energy Generation And Implications For Strategic Consumer Behavior, Electricity Pricing And Installed Capacity
Alex Angelus, UT Dallas, Alexandar.Angelus@utdallas.edu

4 - Converting Retail Food Waste Into By-product
Mustafa H Tongarlak, Bogazici University, istanbul, Turkey, tongarlak@boun.edu.tr, Deishin Lee

■ WA30

202B-MCC

Joint Session HAS/MSOM-HC: Patient Flow Analytics

Sponsored: Manufacturing & Service Oper Mgmt/HAS Healthcare Operations

Sponsored Session

Chair: Nan Liu, Columbia University, New York, NY, United States, nl2320@columbia.edu

Co-Chair: Zhankun Sun, University of Calgary, 2500 University Dr. NW, Calgary, AB, T2N 1N4, Canada, zhankun.sun@haskayne.ucalgary.ca

1 - Models For Hospital Inpatient Operations: A Data Driven Optimization Approach For Reducing ED Boarding Times
Shasha Han, National University of Singapore, shashahan@u.nus.edu, Shuangchi He, Hong Choon Oh

2 - An Empirical Study Of Adding Physician Assistants To Critical Care Consultation Teams
Yunchao Xu, New York University, yxu4@stern.nyu.edu, Mor Armony, Carri Chan, Michelle Gong

3 - Predicting Triage Standing Orders
Han Ye, U of Illinois at Urbana-Champaign, hanye@illinois.edu, Zhankun Sun, Haipeng Shen

4 - Optimal Workload Management During A Physician's Shift In Emergency Departments
Zhankun Sun, University of Calgary, zhankun.sun@haskayne.ucalgary.ca

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202C-MCC

Service Management: Economics and Operations

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Achal Bassamboo, Northwestern University, Kellogg School of Management, Northwestern University, Evanston, IL, 60208, United States, a-bassamboo@northwestern.edu

Co-Chair: Ramandeep Randhawa, University of Southern California, Marshall School of Business, University of Southern California, Los Angeles, CA, 90089, United States, ramandeep.randhawa@marshall.usc.edu

1 - Scheduling Networks With Synchronization Constraints And Heterogeneous Customers
Amy R Ward, Professor, University of Southern California, Marshall School of Business, Bridge Hall BRI 401H, Los Angeles, CA, 90089-0809, United States, amyward@marshall.usc.edu, Erhun Ozkan

2 - Collaboration And Multitasking In Networks: Aligning Task Priorities And Collaboration Levels
Itai Gurvich, Kellogg School of Management, i-gurvich@kellogg.northwestern.edu, Jan A Van Mieghem

3 - The Costs And Benefits Of Ridesharing: Sequential Individual Rationality And Sequential Fairness
Ragavendran Gopalakrishnan, Research Scientist, Xerox Research Centre India, Bangalore, India, Ragavendran.Gopalakrishnan@xerox.com, Koyel Mukherjee, Theja Tulabandhula

4 - Scheduling Impatient Customers Based on Time In Queue
Achal Bassamboo, Northwestern University, a-bassamboo@northwestern.edu, Ramandeep Randhawa

■ WA32

203A-MCC

Risk Analysis I

Contributed Session

Chair: Ming Zhou, Professor, Shenzhen University, College of Management, Shenzhen, 518060, China, mzhou@szu.edu.cn

1 - Optimal Capital Requirements In Financial Networks With Fire Sales
Jongsoo Hong, Duke University, 100 Fuqua Drive, Durham, NC, 27707, United States, jh176@duke.edu

2 - A New Approach To Fuzzy Risk Assessing Large Renewable Energy Construction Projects
Jose-Ignacio Munoz-Hernandez, University of Castilla - La Mancha, Edifico Politecnico - UCLM, Avda Camilo Jose Cela, S/N, Ciudad Real, 13071, Spain, joseignacio.munoz@uclm.es, Luis Serrano-Gomez

3 - Accounting For Heterogeneity And Macroeconomic Variables In The Estimation Of Transition Intensities For Credit Cards
Jonathan Crook, University of Edinburgh, Business School, 29 Buccleuch Place, Edinburgh, EH8 9JS, United Kingdom, j.crook@ed.ac.uk, Viani Djeundje

4 - Risk Strategy For Managing Information Privacy
Gwendolyn K Lee, Chester C. Holloway Professor, University of Florida, Gainesville, FL, 32611, United States, gwenlee@ufl.edu, Ye Xia

■ WA33

203B-MCC

Production and Scheduling I

Contributed Session

Chair: Atieh Madani, University at Buffalo, The State University of New York, 11221 Nickel Way, Amherst, NY, 14228, United States, atiehmad@buffalo.edu

1 - Transient Analysis Of Geometric Serial Lines With Perishable Intermediate Products
Feng Ju, Assistant Professor, Arizona State University, 699 S. Mill Avenue, #553, Tempe, AZ, 85287, United States, fengju@asu.edu, Ningxuan Kang, Li Zheng

2 - Integrated Production Planning And Distribution Problems
Utku Koc, MEF University, Huzur Mah. Ayazaga Cad No:4, Maslak-Sariyer-Istanbul, Istanbul, 34396, Turkey, utku.koc@mef.edu.tr

3 - Incorporation Of Breaks In A Staffing Model For A Service Center With Flexible Servers
Atieh Madani, University at Buffalo, The State University of New York, 11221 Nickel Way, Amherst, NY, 14228, United States, atiehmad@buffalo.edu

■ WA34

204-MCC

Operational and Economic Models in Healthcare

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Huiyin Ouyang, University of North Carolina, Hanes Hall CB# 3260, Chapel Hill, NC, 27599, United States, ouyang5@live.unc.edu

Co-Chair: Serhan Ziya, University of North Carolina, 356 Hanes Hall CB# 3260, Chapel Hill, NC, 27599, United States, ziya@unc.edu

1 - Managing Returning Customers In An Appointment Based Service System
Yichuan Ding, University of British Columbia, daniel.ding@sauder.ubc.ca

2 - Proactive Patient Service: An Operational And Economic Analysis
Kraig Delana, London Business School, kdelana@london.edu, Nicos Savva, Tolga Tezcan

3 - Online Surgical Case Scheduling With Repeating Blocks
Shashank Goyal, University of Minnesota, Minneapolis, MN, United States, goyal030@umn.edu, Diwakar Gupta

4 - Data-driven Patient Scheduling In Emergency Departments: A Hybrid Robust-stochastic Approach
Meilin Zhang, National University of Singapore, meilin.zhang@u.nus.edu

■ WA35

205A-MCC

Topics in Service Operations

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Yong-Pin Zhou, University of Washington, Seattle, Michael G. Foster School of Business, Seattle, WA, 98195, United States, yongpin@uw.edu

1 - Search Among Queues Under Quality Differentiation
Luyi Yang, University of Chicago, Chicago, IL, United States, luyi.yang@chicagobooth.edu, Laurens G Debo, Varun Gupta

2 - Observational Learning In Environment With Multiple Options
Chen Jin, Northwestern University, chenjin2011@u.northwestern.edu

3 - Customer Segmentation And Fairness: A Queueing Perspective
Yong-Pin Zhou, Professor, Foster School of Business, University of Washington, Seattle, Seattle, WA, 98195-3226, United States, yongpin@uw.edu, Jian Liu

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205B-MCC

Cooperation in Supply Chain Management

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Xiangyu Gao, University of Illinois, University of Illinois at Urbana-Champaign, Champaign, IL, 61801, United States, xgao12@illinois.edu

Co-Chair: Xin Chen, UIUC, UIUC, Urbana, IL, 61801, United States, xinchen@illinois.edu

1 - Population Monotonicity In Newsvendor Games
Xiangyu Gao, UIUC, 104 S. Mathews, Urbana, IL, 61801, United States, xgao12@illinois.edu, Xin Chen, Zhenyu Hu, Qiong Wang

2 - Strategic Inventories And Supplier Encroachment
Xin Geng, University of Miami, Miami, FL, United States, xgeng@bus.miami.edu, Huiqi Guan, Haresh Gurnani, Yadong Luo

3 - A Non-cooperative Approach To Cost Allocation In Joint Replenishment
Xuan Wang, Hong Kong University of Science and Technology, Kowloon, Hong Kong, xuanwang@ust.hk, Simai He, Jay Sethuraman, Jiawei Zhang

4 - Cost-sharing Mechanism Design For Supply Chain Consolidation
Wentao Zhang, University of Southern California, Los Angeles, CA, United States, wentao@usc.edu, Nelson A Uhan, Alejandro Toriello, Maged M Dessouky

■ WA37

205C-MCC

Sustainable Operations and Environmental Decisions

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Xin Wang, Tepper School of Business- Carnegie Mellon University, 5000 Forbes Ave, Pittsburgh, PA, 15213, United States, xinwang1@andrew.cmu.edu

1 - Remanufacturing Strategies For Oems Without Remanufacturing Capabilities
Zhou Yu, Chongqing University, Chongqing, China, cquyuzhou@163.com, Anton Ovchinnikov, Yu Xiong

2 - Design And Technology Choice For Recycling: Collective Versus Individual Implementation
Morvarid Rahmani, Georgia Tech, Atlanta, GA, United States, Morvarid.Rahmani@scheller.gatech.edu, Luyi Gui, Atalay Atasu

3 - Green Technology Development And Adoption: Competition, Regulation, And Uncertainty – A Global Game Approach
Xin Wang, Assistant Professor, Hong Kong University of Science and Technology, IELM, HKUST, Clear Water Bay, 15213, Hong Kong, xinwang@ust.hk, Soo-Haeng Cho, Alan Scheller-Wolf

■ WA38

206A-MCC

Opt, Robust

Contributed Session

Chair: Abhilasha Aswal, Phd Candidate, International Institute of Information Technology, Bangalore, 26 Willow drive, Apt 8B, Ocean, 7712, India, abhilasha.aswal@iiitb.ac.in

1 - Efficient Methods For Stronger Performance Bounds On Two-stage Adaptive Optimization Models
Frans de Ruiter, PhD Candidate, Tilburg University, Warandelaan 2, Tilburg, 5037AB, Netherlands, f.j.c.t.deruiter@tilburguniversity.edu, Dimitris Bertsimas

2 - Performance Of Affine Policies In Dynamic Robust Optimization
Omar El Housni, Columbia University, NYC, NY, United States, omarhousni@hotmail.com, Vineet Goyal, Chaithanya Bandi

3 - Robust And Reliable Solutions Bilevel Optimization Problems Under Uncertainties
Zhichao Lu, Michigan State University, 16789 Chandler Rd Apt 0436D, East Lansing, MI, 48823, United States, luzhicha@msu.edu, Kalyanmoy Deb

4 - Uncertainty Quantification For Robust Optimization
Abhilasha Aswal, Phd Candidate, International Institute of Information Technology, Bangalore, 26 Willow drive, Apt 8B, Ocean, 07712, India, abhilasha.aswal@iiitb.ac.in, Srinivasa Prasanna

■ WA39

207A-MCC

Joint Learning and Optimization in Supply Chain Systems

Sponsored: Applied Probability

Sponsored Session

Chair: Cong Shi, University of Michigan, Ann Arbor, Ann Arbor, MI, 48105, United States, shicong@umich.edu

1 - Nonparametric Learning Algorithms For Optimal Base-stock Policy In Perishable Inventory Systems
Huanan Zhang, University of Michigan, zhanghn@umich.edu

2 - Dynamic Inventory Control With Stockout Substitution And Demand Learning
Beryl Boxiao Chen, University of Illinois at Chicago, Chicago, IL, United States, boxchen@umich.edu, Xiuli Chao

3 - Demand Estimation And Price Optimization With Endogeneity Effect
He Wang, Massachusetts Institute of Technology, Cambridge, MA, United States, wanghe@mit.edu, Milashini Nambiar, David Simchi-Levi

■ WA40

207B-MCC

Probabilistic Combinatorial Optimization

Sponsored: Applied Probability

Sponsored Session

Chair: Alessandro Arlotto, Duke University, 100 Fuqua Drive, Durham, NC, 27708, United States, aa249@duke.edu

1 - Limiting Theorems For The Optimal Alignments Score In Multiple Random Words
Ruoting Gong, Illinois Institute of Technology, rgong2@iit.edu

2 - Changing Graph Structure For Performing Fast, Approximate Inference In Probabilistic Graphical Models
Areesh Mittal, The University of Texas at Austin, areeshmittal@utexas.edu

3 - Tight Adaptive Policies For The Dynamic And Stochastic Knapsack Problem
Xinchang Xie, Duke University, Durham, NC, United States, xinchang.xie@duke.edu, Alessandro Arlotto, Yehua Wei

4 - A Central Limit Theorem For Temporally Non-homogenous Markov Chains With Applications To Dynamic Programming
Alessandro Arlotto, Duke University, Fuqua Drive, Durham, NC, 27708, United States, aa249@duke.edu, J. Michael Steele

■ WA41

207C-MCC

Machine Learning for Finance

Sponsored: Financial Services

Sponsored Session

Chair: Justin Sirignano, University of Illinois at Urbana-Champaign, Champaign, Champaign, IL, 61801, United States, jasirign@illinois.edu

1 - Recurrent Neural Networks For Modeling Financial Data
Justin Sirignano, University of Illinois at Urbana-Champaign, Champaign, IL, jasirign@illinois.edu

2 - Deep Learning For Mortgage Risk
Apaar Sadhwani, Stanford University, apaars@gmail.com

3 - Background Subtraction For Pattern Recognition In High Frequency Financial Data
Alex Papanicolaou, Integral Development Corporation, alex.papanic@gmail.com

■ WA42

207D-MCC

RM in Practice I

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Wei Wang, Pros, Inc, 3100 Main St, Ste 900, Houston, TX, 77002, United States, weiwang@pros.com

1 - Dynamic Pricing And Learning In Airline Revenue Management
Ravi Kumar, PROS Inc, rkumar04@pros.com, Wei Wang

2 - Risk Management In Price And Revenue Optimization
Yanqi Xu, Princess Cruises, yanqi6@yahoo.com

3 - Implementing Optimal Decisions In Business Processes Using 4Ps: Proof Of Concept, Prototyping, Production, Performance
Sachin Sumant, Hertz Car Rental, sumantsachin@yahoo.com

4 - Deriving Price Elasticity Estimates In The UK Cruise Market
John Harvey, Carnival UK, johnandrewharvey@googlemail.com

■ WA43

208A-MCC

Spreading Decision Competencies

Sponsored: Decision Analysis

Sponsored Session

Chair: Chris Spetzler, Decision Education Foundation, DEF, Palo Alto, CA, 00000, United States, chris.spetzler1@gmail.com

1 - Adding Social Impact To Research Efforts And Grants.
Ali Abbas, University of Southern California, aliabbas@price.usc.edu

2 - Teaching Decision Skills In College And Career Readiness
Frank Koch, Koch Decisions, frank@kochdecision.com

3 - Recent Advances In Spreading Decision Skills
Chris Spetzler, Decision Education Foundation, chris@decisioneducation.org

■ WA44

208B-MCC

Environmental and Water Resources Decision Analysis

Sponsored: Decision Analysis

Sponsored Session

Chair: Fengwei Hung, Johns Hopkins University, Baltimore, MD, United States, hfengwe1@jhu.edu

Co-Chair: Liang Chen, Johns Hopkins University, Baltimore, MD, United States, chenliang1468@gmail.com

1 - Case Studies In Water Resources Management For Sustainability And Resilience
Cate Fox-Lent, US Army Corps of Engineers, 696 Virginia Rd, Concord, MA, 01742, United States, Catherine.Fox-Lent@usace.army.mil, Igor Linkov

2 - Optimizing Adaptive Stormwater Management With Green Infrastructure: A Case Study In Wingohocking Watershed, Philadelphia
Fengwei Hung, Johns Hopkins University, 3400 North Charles Street Ames Hall 313, Baltimore, MD, 21218, United States, hfengwe1@jhu.edu, Benjamin F Hobbs, Arthur E McGarity

3 - Flood Risk Management Using Artificial Avulsions In The Yellow River Delta
Liang Chen, Johns Hopkins University, chenliang1468@gmail.com, Benjamin Hobbs

4 - The Process Of Co-producing a ClimateIndicators System
Melissa A Kenney, University of Maryland, kenney@umd.edu

■ WA45

209A-MCC

Learning for Simulation and Simulation Optimization

Sponsored: Simulation

Sponsored Session

Chair: Giulia Pedrielli, National University of Singapore, TBD, Singapore, TBD, Singapore, giulia.pedrielli.85@gmail.com

1 - Simulation Analytics For Virtual Statistics
Yujing Lin, Northwestern University, yujinglin2013@u.northwestern.edu

2 - The Effects Of Estimation Of Heteroscedasticity On Stochastic Kriging
Xi Chen, Virginia Polytechnic Institute and State University, xchen6@vt.edu

3 - Extended Kernel Regression Method To Combine Analytical Methods And Simulation
Andrea Matta, Shanghai Jiao Tong University, matta@sjtu.edu.cn

4 - G-STAR A New Kriging Based Trust Region Method For Global Optimization
Giulia Pedrielli, Arizona State University, giulia.pedrielli.85@gmail.com, Szu Hui Ng

■ WA46

209B-MCC

Revenue Management with Strategic Customers

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Woonghee Tim Huh, University of British Columbia, Vancouver, BC, Canada, tim.huh@sauder.ubc.ca

Co-Chair: Jaelynn Oh, University of Utah, Salt Lake City, UT, United States, jaelynn.oh@business.utah.edu

1 - Dynamic Pricing In The Presence Of Strategic Consumers: Theory And Experiment
Anton Ovchinnikov, Queen's School of Business, 143 Union Street, Kingston, ON, K7L 3N6, Canada, ao37@queensu.ca, Mirko Kremer, Benny Mantin

2 - Choosing To Be Strategic: Implications Of The Endogenous Adoption Of Forward-looking Purchasing Behavior On Multiperiod Pricing
Arian Aflaki, Duke University, 923 White Pine Drive, Durham, NC, 27705, United States, aa251@duke.edu, Pnina Feldman, Robert Swinney

3 - Product Quality And Pricing Management
Ruxian Wang, Johns Hopkins Carey Business School, Baltimore, MD, 21202, United States, ruxian.wang@jhu.edu, Shiliang Cui

■ WA47

209C-MCC

New Models for Pricing and Assortment Optimization

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Adam Nabil Elmachtoub, Columbia University, 500 W 120th St., New York, NY, 10027, United States, adam@ieor.columbia.edu

1 - Assortment Optimization And Pricing Under A Nonparametric Tree Choice Model
Jake Feldman, U Washington, jbf232@cornell.edu

2 - Revenue Management By Strategic Customer Selection
Roger D Lederman, IBM, rlederman@gmail.com, Vineet Goyal, Adam Elmachtoub

3 - The Price Of Opacity
Michael Hamilton, Columbia, mh3461@columbia.edu

■ WA48

210-MCC

Interdisciplinary Business Analytics

Invited: Social Media Analytics

Invited Session

Chair: Mingfei Li, Bentley University, Waltham, MA, 02452, United States, mli@bentley.edu

Co-Chair: David Oury, Bentley University, 175 Forest Street, Waltham, MA, 02451, United States, doury@bentley.edu

1 - Role Of Collaborative Consumption Factors: A Cross-national Case Of Airbnb
Funda Sarican, Bentley University, fsarican@bentley.edu

2 - Health Analytics On The Quality And Efficiency Of Clinical Practice On Several Major Cancers
Chao Wang, Bentley University, cwang@bentley.edu

3 - Socio-economic Perceptions In Emerging Markets
Fernanda Maciel, Bentley University, Waltham, MA, United States, fmaciel@bentley.edu

4 - Diversification Of Risk Management Strategies
Olga Biedova, Bentley University, obiedova@bentley.edu

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211-MCC

Strategic Behavior, Competition, and Coordination under Uncertainty

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Sila Cetinkaya, Southern Methodist University, 3145 Dyer street, Dallas, TX, 75205, United States, sila@smu.edu

Co-Chair: Olga Bountali, Southern Methodist University, 3145 Dyer street, Dallas, TX, 75205, United States, obountali@smu.edu

1 - The Impact Of Batch Services On Customers' Equilibrium Actions And On Social Welfare
Olga Bountali, Southern Methodist University, obountali@smu.edu, Antonis Economou

2 - Price And Lead-time Competition With Customer Choice
Philipp Afèche, Rotman School of Management, University of Toronto, Toronto, ON, Canada, afeche@rotman.utoronto.ca

3 - The Impact Of Inspection Cost On Equilibrium, Revenue And Social Welfare In A Single Server Queue
Ricky Roet-Green, Simon Business School, University of Rochester, CS 3-345, Rochester, NY, 14627, United States, ricky.roet-green@simon.rochester.edu, Refael Hassin

■ WA50

212-MCC

SpORts: Sports Analytics III

Sponsored: SpORts

Sponsored Session

Chair: Scott Nestler, University of Notre Dame, Mendoza College of Business, Notre Dame, IN, 46556, United States, snestler@nd.edu

1 - National Hockey League Goaltending: An Analysis Of Goaltender Performance In Relation To Amount Of Days Rest
Paul Weisgarber, U.S. Air Force Academy, USAF Academy, CO, United States, paul.a.weisgarber@gmail.com, Jeremy Forbes, Luke Guinan

2 - Analysis Of Corner Kicks In Football (Soccer)
Nils Rudi, INSEAD, Nils.Rudi@insead.edu, Tong Wang

3 - Is Strength Of Schedule A Real Strength For NFL Teams
Ismail Civelek, WKU, ismail.civelek@wku.edu, Murat Kurt

■ WA51

213-MCC

Evaluating Health Systems of Public Interest

Sponsored: Public Sector OR

Sponsored Session

Chair: Andres Garcia-Arce, University of South Florida, USF, Tampa, FL, 3, United States, andresg@mail.usf.edu

1 - Hospital Preventable Readmissions And Interventions In Medicare Patients
Andres Garcia-Arce, University of South Florida, Tampa, FL, United States, andresg@mail.usf.edu, Jose L. Zayas-Castro

2 - Predicting Likelihood Of Drug Approval From Clinical Trials
Felipe A Feijoo, Johns Hopkins University, ffeijoo@jhu.edu, Sauleh Ahmad Siddiqui, Jenny Bernstein

3 - The Future Burden Of CKD In China: A Simulation Model For The CKD Initiative
Nan Chen, Tsinghua University, Room 615, Shunde Building, Tsinghua University, Haidian District, Beijing, 100084, China, chenn618@gmail.com, Jinwei Wang, Xiaolei Xie, Luxia Zhang, Li Zheng

■ WA52

214-MCC

Network Repair and Resiliency for Service Restoration

Sponsored: Public Sector OR

Sponsored Session

Chair: Ozlem Ergun, Northeastern University, 453 Meserve, 360 Huntington Avenue, Boston, MA, 02115, United States, o.ergun@neu.edu

Co-Chair: Aybike Ulusan, Northeastern University, 360 Huntington Avenue, Boston, MA, 02115, United States, ulusan.a@husky.neu.edu

1 - Network Science Based Quantification Of Resilience Of Multi-scale Infrastructure Systems
Udit Bhatia, Northeastern University, bhatia.u@husky.neu.edu

2 - Transportation Network Recovery Based On Multi-industry Economic Impact
Mohamad Darayi, The University of Oklahoma, mdarayi@ou.edu, Kash Barker, Nazanin Morshedlou

3 - On The Cost Of Decentralized Scheduling For Interdependent Network Restoration
Hongtan Sun, Rensselaer Polytechnic Institute, 110 8th St., Troy, NY, 12180, United States, sunh6@rpi.edu, Thomas Sharkey

4 - Restoration Of Network Connectivity In Large-scale Disaster Management Problems
Aybike Ulusan, Northeastern University, ulusan.a@husky.neu.edu, Ozlem Ergun

■ WA53

Music Row 1- Omni

New Product Development and Process Development in Healthcare

Sponsored: Technology, Innovation Management & Entrepreneurship

Sponsored Session

Chair: Zhili Tian, Florida International University, 11200 SW 8th St, Miami, FL, 33199, United States, zhili.a.tian@gmail.com

1 - An Empirical Analysis Of The Barriers To And Optimal Use Of Clinical Decision Support Systems In Health Care
Xiaojin Liu, University of Minnesota, Minneapolis, MN, United States, liux1591@umn.edu, Susan Goldstein, Karen Soderberg, Kingshuk K Sinha

2 - Management Of Cancer Drug Shortage Under Demand And Supply Uncertainty
Shanling Li, McGill University, shanling.li@mcgill.ca, Dali Zhang, Xiaowen Chang, Huifu Xu

3 - Outsourcing Stategy For Intermediate Production Steps
Yang Wang, UC Berkeley, 4174 Etcheverry Hall, University of California Berkeley, Berkeley, CA, 94720, United States, yangwang0803@berkeley.edu, Philip Kaminsky

4 - Clinical Trials And New Drug Development: Optimal Investment Policies And Application
Zhili Tian, Florida International University, 11200 S.W. 8th Street, Miami, FL, 33199, United States, zhili.a.tian@gmail.com

■ WA54

Music Row 2- Omni

Agent-based Modeling in Management Sciences and Economics

Sponsored: Service Science

Sponsored Session

Chair: Wei Zhang, Tianjin University, Tianjin, China, weiz@tju.edu.cn

Co-Chair: Shu-Heng Chen, National Chengchi University, 64, Chih-nan Rd.,Sec. 2, Wenshan, Taipei 11623, Taipei, 11623, China, chen.shuheng@gmail.com

Co-Chair: Silvano Cincotti, University of Genoa, via Opera Pia, 15 - 16145 Genova, ITALY, Genova, 16145, Italy, silvano.cincotti@unige.it

1 - Agent-based Modeling Of Chinese University Admission Mechanisms: From The Boston Mechanism To The Chinese Parallel Mechanism, Mission Accomplished?
Shu-Heng Chen, National Chengchi University, chen.shuheng@gmail.com

2 - An Empirical Zero-intelligence Model Of Chinese Stocks
Wei-Xing Zhou, East China University of Science and Technology, 130 Meilong Road, Shanghai, 200237, China, wxzhou@ecust.edu.cn, Gao-Feng Gu, Xiong Xiong, Wei Zhang, Yong-Jie Zhang, Wei Chen

3 - Nonlinear Transient Shock, Implementation Shortfall Optimum Strategy And Market Influences: Based On The Framework Of Computational Finance
Haifei Liu, Nanjing University, Nanjing, China, hfliu@nju.edu.cn, Xindan Li, Xiong Xiong

4 - Biased Information, Peer Pressure And Expectation Formation
Dehua Shen, Tianjin University, Tianjin, China, dhs@tju.edu.cn, Yongjie Zhang, Andrea Teglio, Wei Zhang

■ WA55

Music Row 3- Omni

Inventory Management VII

Contributed Session

Chair: Sepideh Alavi, University of Wisconsin Milwaukee, 1559 N Prospect Ave. Apt 309, Milwaukee, WI, 53202, United States, alavi@uwm.edu

2 - A Rental Problem With Unreliable Products
Mohammad Firouz, PhD Candidate, University of Alabama, 610 13th, Apt 19, Tuscaloosa, AL, 35401, United States, mfirouz@crimson.ua.edu, Burcu B Keskin, Linda Li

3 - Shelf And Backroom Inventory Management Under Shelf Stock Dependent Demand
Weili Xue, Southeast University, Hankou Road 22, Nanjing, China, wlxue1981@gmail.com, Ozgun Caliskan Demirag, Frank Y Chen, Yang Yi

4 - Inventory Classification Versus Statistical Clustering For Solving Multi-echelon Inventory Grouping Problem
Alireza Sheikhzadeh, University of Arkansas, 4207 Bell Engineering Center, Fayetteville, AR, 72701, United States, asheikhz@uark.edu, Manuel D Rossetti

5 - Inventory Management Of Products With Irregular And Intermittent Demand Pattern
Sepideh Alavi, University of Wisconsin Milwaukee, 1559 N Prospect Ave. Apt 309, Milwaukee, WI, 53202, United States, alavi@uwm.edu

■ WA56

Music Row 4- Omni

Open Source & Online Communities

Sponsored: EBusiness

Sponsored Session

Chair: Pratyush Sharma, University of Delaware, Newark, DE, United States, pnsharma@udel.edu

1 - Single Loop And Double Loop Learning: The Link Between Open Source Software Developer Motivation, Contribution Behavior And Turnover Intentions
Shadi Janansefat, University of Pittsburgh, shadi.j@pitt.edu, Sherae Daniel

2 - Effective Selection Mechanisms In Open Innovation
Vipul Aggarwal, University of Washington, Seattle, WA, United States, aggarv@uw.edu, Elina Hwang

■ WA57

Music Row 5- Omni

Strategic Customer Behavior in Retail and Manufacturing

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Pelin Pekgun, University of South Carolina, Columbia, SC, United States, Pelin.Pekgun@moore.sc.edu

1 - Punishment And Reward In a Cooperative Advertising Game
Yukun Zhao, Tsinghua University, Beijing, China, zhaoyk1989@gmail.com, Tony H Cui, Xiaobo Zhao

2 - Consumer Stockpiling Behavior In A Changing Economy: Implications For Retail Inventory Management
Xiaodan Pan, University of Maryland, College Park, MD, United States, xiaodan.pan@rhsmith.umd.edu, Benny Mantin, Martin E Dresner

3 - Behavioral Ordering And Competition
Brent Moritz, Penn State University, University Park, PA, 16802, United States, bmoritz@psu.edu, Bernardo Quiroga, Anton Ovchinnikov

4 - Using Capacity Allocation Policies For Truthful Forecast Sharing
Minseok Park, University of South Carolina, 1520 Senate Street, Apt 127, Columbia, SC, 29201, United States, minseok.park@grad.moore.sc.edu, Pelin Pekgun, Pinar Keskinocak

■ WA58

Music Row 6- Omni

Finance I

Contributed Session

Chair: Huawei Niu, Nanjing Audit University, School of Finance, Nanjing, 211815, China, niuhuawei@gmail.com

1 - Optimal Construction And Rebalancing Of Index-Tracking Portfolios
Oliver Strub, University of Bern, Schuetzenmattstrasse 14, FM Quantitative Methoden, Bern, 3012, Switzerland, oliver.strub@pqm.unibe.ch, Philipp Baumann

2 - An Endogenous Structural Credit Risk Model And Its Application In Pricing Derivatives With Credit Risk
Huawei Niu, Nanjing Audit University, School of Finance, Nanjing, 211815, China, niuhuawei@gmail.com, Yajuan Lu

■ WA59

Cumberland 1- Omni

Sharing Logistics

Sponsored: TSL, Facility Logistics

Sponsored Session

Chair: Wei Qi, Lawrence Berkeley National Laboratory, 1 Cyclotron Rd, Berkeley, CA, 94720, United States, qiwei@berkeley.edu

1 - A Study Of Corporate Barter Exchange Mechanisms
Min Zhao, University of California at Berkeley, Berkeley, CA, United States, vivianmzhao@berkeley.edu, Zuo-Jun Max Shen, Xiaobo Zhao

2 - Household-level Economies Of Scale In Transportation
John Gunnar Carlsson, University of Southern California, jcarlsso@usc.edu

3 - Shared Mobility For Last-mile Delivery: Implications Of Costs And Green House Emissions
Wei Qi, Lawrence Berkeley National Laboratory, qiwei@berkeley.edu, Lefei Li, Sheng Liu, Zuo-Jun Max Shen

4 - Setting Inventory Levels In A Bike Sharing Network
Michal Tzur, Professor, Tel Aviv University, Tel Aviv, Israel, tzur@eng.tau.ac.il, Sharon Datner, Tal Raviv

■ WA60

Cumberland 2- Omni

Understanding and Optimizing Route and Mode Choices in a Dynamic/Multimodal Environment

Sponsored: TSL, Urban Transportation

Sponsored Session

Chair: Monireh Mahmoudi, Arizona State University, Arizona State University, Tempe, AZ, 85281, United States, mmahmoudi@asu.edu

1 - A Dynamic Programming Approach Based On State Space Time Network Representations For The Pickup And Delivery Problem
Monireh Mahmoudi, PhD Student, Arizona State University, Tempe, AZ, 85281, United States, mmahmoudi@asu.edu, Xuesong Zhou

2 - Route Choice In Highly Disrupted Network: Learning, Inertia And Real-time Information
Xinlian Yu, University of Massachusetts, Amherst, MA, United States, xinlianyu@umass.edu, Song Gao

3 - Understanding Traveler Route Choices In Stochastic Multimodal Travel Environment Using Automatic Fare Collection Data
Laiyun Wu, University at Buffalo, 326 Bell Hall, University at Buffalo, Buffalo, NY, 14226, United States, laiyunwu@buffalo.edu, Jee Eun Kang, Alexander Nikolaev

4 - Personalized Multimodal Mobility Options Discovery In A Social Structure
Ali Arian, PhD Student, University of Arizona, Tucson, AZ, 85721, United States, arian@email.arizona.edu, Yi-Chang Chiu

■ WA61

Cumberland 3- Omni

Shared-use Rail Corridor Operation and Planning

Sponsored: Railway Applications

Sponsored Session

Chair: Bo Zou, University of Illinois at Chicago, 2073 ERF, 842 West Taylor Street, Chicago, IL, 60607, United States, bzou@uic.edu

1 - Capacity Screening Tool For Mixed Operations
Mei-Cheng Shih, University of Illinois at Urbana - Champaign, Urbana, IL, 61801, mshih2@illinois.edu

2 - Schedule Flexibility And Shared Corridor Capacity
Darkhan Mussanov, University of Illinois at Urbana - Champaign, Urbana, IL, 61801, mussano2@illinois.edu

3 - Siding Length, Train Length, And Capacity For Additional Traffic On Single Track Lines
Bradford Kippen, University of Illinois at Urbana - Champaign, Urbana, IL, 61801, United States, kippen2@illinois.edu

4 - Capacity Allocation In Vertically Integrated Rail Systems: A Bargaining Approach
Bo Zou, University of Illinois at Chicago, Chicago, IL, United States, bzou@uic.edu, Ahmadreza Talebian

■ WA62

Cumberland 4- Omni

Air Traffic Management and Airline Operations

Sponsored: Aviation Applications

Sponsored Session

Chair: Peng Wei, Iowa State University, 2312 Howe Hall, 537 Bissell Road, Ames, IA, 50011, United States, pwei@iastate.edu

1 - Terminal Area Sequencing And Scheduling: The Single Runway Case
Jitamitra Desai, Professor, Nanyang Technological University, Singapore, Singapore, jdesai@ntu.edu.sg, Rakesh Prakash

2 - En Route Flight Time Prediction Under Convective Weather Events
Guodong Zhu, Iowa State University, gzhu@iastate.edu

3 - Passenger Route Choice Prediction In The U.S. Airline Industry: Statistical Methods versus Machine Learning Techniques
Chia-Mei Liu, FAA, Chia-Mei.Liu@faa.gov, Peng Wei, Jerrod Sharpe

4 - Capturing Passenger Compensation Impacts For An Integrated Airline Recovery
Luis Cadarso, Rey Juan Carlos University, Camino del Molino s/n, Fuenlabrada, 28943, Spain, luis.cadarso@urjc.es, Vikrant Vaze

■ WA63

Cumberland 5- Omni

Location Models

Sponsored: Location Analysis

Sponsored Session

Chair: Oded Berman, University of Toronto, 105 St. George Street, Toronto, ON, M5S 3E6, Canada, berman@rotman.utoronto.ca

1 - Responsive Supply Chain Network Design
Oded Berman, University of Toronto, 105 Saint George Street, Toronto, ON, M5S 3E6, Canada, berman@rotman.utoronto.ca, Robert Aboolian, Jiamin Wang

2 - The p-center On A Network With Probabilistic Demand Weights
Jiamin Wang, Long Island University, Brookville, NY, United States, Jiamin.Wang@liu.edu, Oded Berman

3 - Location Depots To Facilitate Routing A Mixed Fleet Of Electric And Conventional Vehicles
Nan Ding, Univesity of Buffalo (SUNY), Buffalo, NY, nanding@buffalo.edu, Rajan Batta

■ WA64

Cumberland 6- Omni

Pareto Set Reduction Theories and Methods

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Daniel Jornada, Texas A&M University, 1700 Research Parkway, College Station, TX, 77843, United States, djornada@tamu.edu

1 - New Notions Of Efficiency For Multicriteria Optimization Under Uncertainty
Devon Sigler, PhD Candidate, University of Colorado Denver, Denver, CO, United States, devon.sigler@ucdenver.edu, Alexander Engau

2 - Robust Solutions To Uncertain Multiobjective Linear Programs
Garrett M. Dranichak, Department of Mathematical Sciences, Clemson University, Clemson, SC, United States, gdranic@clemson.edu, Margaret M Wiecek

3 - Pareto Set Reduction Theories And Methods
Kalyanmoy Deb, Department of Electrical and Computer Engineering, Michigan State University, kdeb@egr.msu.edu

4 - A Post-pareto Approach Using A Non-uniform Weight Generator Method With Prioritized Objectives
Juan V Fernandez, Industrial, Manufacturing and Systems Engineering Department, University of Texas at El Paso, jvfernandez@miners.utep.edu

■ WA65

Mockingbird 1- Omni

Digital Transformation of Labor, Media, Telecom, and Financial Markets

Sponsored: Information Systems

Sponsored Session

Chair: Wei Chen, University of Arizona, University of Arizona, Tucson, AZ, 85721, United States, weichen@email.arizona.edu

1 - What Do Employers Look For In Candidates?
Xuan Ye, New York University, xye@stern.nyu.edu, Prasanna Tambe

2 - New Product Launch With Capacity Constraints And Congestion-sensitive Consumers
Duy Dao, University of California, San Diego, Duy.Dao@rady.ucsd.edu, Terrence August, Hyoduk Shin

3 - The Role Of Technological Discontinuity On Incumbency Advantage
Xiahua Wei, University of Washington, Bothell, xhwei@uw.edu

4 - Taxes And Equity Investment: Evidence From Equity Crowdfunding
Wei Chen, University of Arizona, weichen@email.arizona.edu, Mingfeng Lin

■ WA66

Mockingbird 2- Omni

Data Analytics in Emerging Applications

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Nan Chen, National University of Singapore, Singapore, Singapore, isecn@nus.edu.sg

1 - Inferring Three-dimensional Porous Defects Based On Cross-sectional Images In Metal-based Additive Manufacturing
Jianguo Wu, Assistant Professor, University of Texas-El Paso, 500 W University Ave, Engineering Building, A-244, El Paso, TX, 79968, United States, jwu2@utep.edu, Nan Chen, Haijun Gong

2 - Change-point Detection On Solar Panel Performance Using Thresholded Lasso
Youngjun Choe, University of Washington, Seattle, WA, United States, yjchoe@umich.edu, Weihong Guo, Eunshin Byon, Judy Jin, Jingjing Li

3 - Data-driven Diagnosis For Asthma Control Status In Smart Asthma Management System Based On Correlated Gamma-based Hidden Markov Model
Junbo Son, Assistant Professor, University of Delaware, Newark, DE, United States, sonjunbo@gmail.com, Shiyu Zhou, Patricia Brennan

4 - Reliability Analysis Considering Dynamic Material Local Deformation
Wujun Si, Wayne State University, fk9456@wayne.edu, Qingyu Yang, Xin Wu

■ WA67

Mockingbird 3- Omni

Data Analytics for System Improvement II

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Xi Zhang, Peking University, Beijing, China, xi.zhang@pku.edu.cn

Co-Chair: Kaibo Liu, Universityof Wisconsin, Madison, 1513 University Avenue, Madison, WI, 53706, United States, kliu8@wisc.edu

1 - Statistical Process Control Of Stochastic Textured Surfaces
Anh T Bui, Northwestern University, Evanston, IL, United States, atbui@u.northwestern.edu, Daniel Apley

2 - Causation-based Process Monitoring And Diagnosis For Multivariate Categorical Processes
Xiaochen Xian, the University of Wisconsin, Madison, WI, xxian@wisc.edu

3 - A Thermal Field Estimation Method Based On Spatial-temporal Dynamics Using Multi-channel Sensor Data
Xi Zhang, Peking University, Beijing, China, xi.zhang@pku.edu.cn, Di Wang, Kaibo Liu

4 - Multivariate Ordinal Categorical Process Control Based On Log-linear Modeling
Jian Li, Xi'an Jiaotong University, Xi'an, China, jianli@mail.xjtu.edu.cn, Junjie Wang, Qin Su

■ WA68

Mockingbird 4- Omni

Statistical Models for Computer Experiments

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Qiong Zhang, Richmond, VA, United States, qzhang4@vcu.edu

1 - Efficient Gaussian Process Modeling For Computer Experiments
Yibo Zhao, Rutgers State University of New Jersey, Piscataway, NJ, United States, yz346@scarletmail.rutgers.edu

2 - Change-point Detection For Spatial-temporal Organ Image Data
Shuyu Chu, Virginia Tech, cshuyu@vt.edu, Xinwei Deng, Ran Jin

3 - Asymmetric Process For Stochastic Simulation
Qiong Zhang, Virginia Commonwealth University, qzhang4@vcu.edu

■ WA69

Old Hickory- Omni

Joint Session Telecom/MIF: Modeling and Optimization for Social Network Analysis

Sponsored: Telecommunications/MIF

Sponsored Session

Chair: Eli Olinick, Southern Methodist University, P.O. Box 750100, Dallas, TX, 75275, United States, olinick@lyle.smu.edu

1 - Design Of Survivability Networks Under Vulnerability Constraints
Luis Gouveia, University of Lisbon, legouveia@fc.ul.pt, Markus Leitner

2 - Characterizing Cohesive Subgroups In Social Networks
Zeynep Ertem, university of Texas at Austin, Austin, TX, United States, ertem@utexas.edu, Zeynep Ertem, University of Texas at Austin, Austin, TX, United States, ertem@utexas.edu, Sergiy Butenko, Alexander Veremyev, Yiming Wang

3 - The 2-club Polytope
Illya Hicks, Rice University, ivhicks@rice.edu, Foad Pajouh, Balabhaskar Balasundaram

4 - A Network Flow Duality Foundation For Hierarchical Cluster Analysis
Eli Olinick, Southern Methodist University, olinick@lyle.smu.edu

■ WA70

Acoustic- Omni

Transportation, Ops I

Contributed Session

Chair: Markus Matthaus Frey, Dr., Technical University Munich, Arcisstrasse 21, Munich, 80333, Germany, markus.frey@tum.de

1 - A Simulation-based Optimization Framework For Online Urban Traffic Control Problems
Linsen Chong, Massachusetts Institute of Technology, 77 Massachusetts Avenue, Room 1-245, Cambridge, MA, 02139, United States, linsenc@mit.edu, Carolina Osorio

2 - Spatial-temporal Air Quality Mapping For Smart-in Vehicle Climate Control Management
Yimin Liu, Ford Motor Company, Dearborn, MI, United States, yliu59@ford.com, Yu Chen, Jinjing Yang, Yun-Jhong Wu

3 - Road Pricing For Informed Users With Risk Neutral Time Cost And Risk Averse Health Cost
Zhen Tan, Cornell University, 314 University Ave., Apt 7, Ithaca, NY, 14850, United States, zt78@cornell.edu

4 - Using Optimization To Improve The Freight Transportation Operations Of A Fedex Licensee
Omar Ben-Ayed, Qatar University, College of Business and Economics, Doha, Qatar, omar.benayed@qu.edu.qa, Salem Hamzaoui, Leandro C Coelho

5 - Column Generation For Vehicle Routing Problems With Synchronization Constraints
Markus Matthaus Frey, Dr., Technical University Munich, Arcisstrasse 21, Munich, 80333, Germany, markus.frey@tum.de, Martin Fink, Ferdinand Kiermaier, Francois Soumis, Guy Desaulniers, Rainer Kolisch

■ WA71

Electric- Omni

Game Theory I

Contributed Session

Chair: Jian Yang, Associate Professor, Rutgers University, 1 Washington Park, Rm 1084, Newark, NJ, 7102, United States, jyang@business.rutgers.edu

1 - A Unified Framework For Vehicle Licenses Allocation
Zhou Chen, Hong Kong University of Science and Technology, Clear Water Bay, Hong Kong, Hong Kong, zchenaq@connect.ust.hk, Qi Qi, Changjun Wang

2 - Exclusivity In Online Advertising
Marjan Baghaie, Microsoft, Seattle, WA, 98105, United States, marjanb@microsoft.com, Amin Sayedi, Kinshuk Jerath

3 - Game-theoretic Modeling Of Players' Ambiguities On External Factors
Jian Yang, Associate Professor, Rutgers University, 1 Washington Park Rm 1084, Newark, NJ, 07102, United States, jyang@business.rutgers.edu

■ WA72

Bass- Omni

Supply Chain Mgt XIII

Contributed Session

Chair: Xinghao Yan, Assistant Professor, Western University, 1327 Pleasantview Drive, London, ON, N5X 4P6, Canada, xyan@ivey.uwo.ca

1 - Simulation And Optimization For Reevaluating Order Fulfillment Plans In An Online Retail Environment
Amir Hossein Kalantari, PhD Candidate, University of Wisconsin Milwaukee, 3200 N Cramer St, Milwaukee, WI, 53211, United States, kalanta2@uwm.edu, Matthew Petering

2 - The Value Of Aggregated Information Sharing In Supply Chains
Vladimir Kovtun, Yeshiva University Syms School of Business, New York, NY, 10016, United States, vladimir.kovtun@yu.edu

3 - Coordination Of The Supply Chain With Quality Improvement And Customer Returns
Xinghao Yan, Assistant Professor, Western University, 1327 Pleasantview Drive, London, ON, N5X 4P6, Canada, xyan@ivey.uwo.ca

■ WA73

Legends A- Omni

Operations Management V

Contributed Session

Chair: Ling Liu, Huazhong U of Science and Technology, 1037 Luoyu Road, Hong Shan District, Wuhan, 430074, China, 182028870@qq.com

1 - Web-based Grocery Retail Business With Order Cancellation And Refund Options
Yi Zhang, Shandong Institute of Business and Technology, Yantai, China, iynnezhangyi@foxmail.com, Yang Li, Xiangpei Hu

2 - A Meta-analytic And Latent Semantic Analysis Approach To Informing Quality Management
Xianghui Peng, Assistant Professor, Eastern Washington University, Spokane, WA, United States, xpeng@ewu.edu, Victor R Prybutok

5 - A Capacitated Vehicle Routing Problem With Order Available Time
Ling Liu, Huazhong U of Science and Technology, 1037 Luoyu Road, Hong Shan District, Wuhan, 430074, China, 182028870@qq.com

■ WA74

Legends B- Omni

Ops Mgt/Marketing I

Contributed Session

Chair: Xue Li, Tsinghua University, Beijing, China, lix2.11@sem.tsinghua.edu.cn

1 - Equilibrium Analysis On Price-matching Policy For Two Competitive Retailers
Jinpeng Xu, Xidian University, 266 Xinglong Section of Xifeng Road, Xi'an, 710126, China, jinpxu@foxmail.com, Yufei Huang

2 - Keys To Green Product Line Design: Consumer Perceptions, Cost Implications, Price And Quality Optimization
Monire Jalili, PhD Candidate, University of Oregon, 1208 University of Oregon, Eugene, OR, 97403, United States, mjalili@uoregon.edu, Tolga Aydinliyim, Nagesh N Murthy

3 - Does Social Image (Pakistani Consumers) Mediate Relationship Between Brand Performance And Brand Attachment For An Imported Cosmetic Brand?
Huma Amir, Chairperson Marketing Deptt., Assistant Professor, Inst of Bus Admin- Karachi, Suite # 218, Main Campus, University Road, Karachi, 75270, Pakistan, huma.amir@hotmail.co.uk, Wajid Rizvi

4 - Empirical Evidence On The Contagion Effect Of Product Harm Recall
Alireza Azimian, Wilfrid Laurier University, 75 University Avenue West,, Unit 103, Waterloo, ON, N2L 3C5, Canada, azim9110@mylaurier.ca, Kevin B Hendricks

5 - Uniform Pricing Vs. Non-uniform Pricing For Branded Variants: Implications For Channel Structure Equilibrium
Xue Li, Tsinghua University, Beijing, China, lix2.11@sem.tsinghua.edu.cn, Jian Chen

■ WA75

Legends C- Omni

Health Care, Strategies III

Contributed Session

Chair: Neset Hikmet, Associate Professor, University of South Carolina, 1301 Gervais St, Suite 1010, Columbia, SC, 29208, United States, nhikmet@sc.edu

1 - Hierarchical Response Model For Casualty Processing In Mass Casualty Incidents
Alkis Vazacopoulos, Optimization Direct, Inc., 202 Parkway, Harrington Park, NJ, 07640, United States, alkis@optimizationdirect.com, Nathaniel Hupert, Dimitris Paraskevopoulos, Panagiotis Petros Repoussis, Panagiotis Petros Repoussis

2 - Key Factors And Patterns In Employee Choice Of High Deductible Health Plans
Qing Ye, Purdue University, 315 N Grant St, West Lafayette, IN, 47907, United States, yqing@purdue.edu, Bhagyashree Katare, Yuehwern Yih

3 - Hospital Information Technology Investment Impacts On Patient Satisfaction, Clinical Performance, Efficiency, And Patient Outcomes
Neset Hikmet, Associate Professor, University of South Carolina, 1301 Gervais St, Suite 1010, Columbia, SC, 29208, United States, nhikmet@sc.edu, Benjamin Schooley

■ WA76

Legends D- Omni

Applied Probability I

Contributed Session

Chair: Julian Sun, Cornell, Ithaca, NY, 14850, United States, ys598@cornell.edu

1 - Flexible Estimation Of Conway-maxwell Poisson Distribution
Suneel Babu Chatla, Doctoral Student, National Tsing Hua University, Hsinchu, 30013, Taiwan, suneel.chatla@iss.nthu.edu.tw, Galit Shmueli

2 - Fast Approximate Policies For Large Networks
Ankur Mani, University of Minnesota, 808 Berry St. Apt. 410, St. Paul, MN, 55114, United States, amani@umn.edu

3 - Multivariate Subexponential Distributions And Their Applications
Julian Sun, Cornell, Ithaca, NY, 14850, United States, ys598@cornell.edu, Gennady Samorodnitsky

■ WA77

Legends E- Omni

Opt, Integer Programing V

Contributed Session

Chair: Victoire Denoyel, PhD Candidate, ESSEC Business School, Paris, France, victoire.denoyel@essec.edu

1 - Territory Design With Risk For A Micro Finance Institution
Tahir Ekin, Assistant Professor of Quantitative Methods, Texas State University, 601 University Dr. Mccoy 411, San Marcos, TX, 78666, United States, t_e18@txstate.edu, Fabian Lopez Perez, Francis Mendez, Jesus Jimenez

2 - Model Of Ambulance Deployment And Dispatch Arrangement And Simulation-based Assessment Of Mass Casualty Incident
Yu-Ching Lee, Assistant Professor, National Tsing Hua University, Hsinchu, Taiwan, liuyentingthomas@gmail.com, Yen-Ting Liu, Albert Y. Chen, Yu-Shih Chen

3 - Solving Utility-maximization Multinomial Choice Problems: When Is The First-choice Model A Good Approximation?
Victoire Denoyel, PhD Candidate, ESSEC Business School, Paris, France, victoire.denoyel@essec.edu, Victoire Denoyel, PhD Candidate, Brooklyn College, Brooklyn, NY, NY, United States, victoire.denoyel@essec.edu, Laurent Alfandari, Aurelie Thiele

■ WA78

Legends F- Omni

Opt, Metaheuristics I

Contributed Session

Chair: Pakayse Koken, PhD Candidate, Binghamton University, 4400 Vestal Parkway East, Binghamton, NY, 13902, United States, pakoken@gmail.com

1 - Optimizing Communication In Parallel Algortihm Portfolios
Andrii Berdnikov, Graduate Student, University of Tennessee, Knoxville, 525 John D. Tickle Building,851 Neyland Drive, Knoxville, TN, 37996-2315, United States, andrii@utk.edu

2 - Metaheuristics For Dynamic Lot Sizing Problem With Returns And Hybrid Products
Pakayse Koken, PhD Candidate, Binghamton University, 4400 Vestal Parkway East, Binghamton, NY, 13902, United States, pakoken@gmail.com

■ WA79

Legends G- Omni

Opt, Stochastic V

Contributed Session

1 - A New Framework For Shortest Path Problem In Dynamic Network
Yingying Kang, Senior Operations Research Developer, Southwest Airlines Co., Dallas, TX, United States, eing.008@gmail.com

2 - An Enhanced Sample Average Approximation Technique To Solve A Two-stage Chance-constrained Optimization Problem
Sudipta Chowdhury, PHD Student, Mississippi State University, 260 McCain Engineering Building, ISE Department, Starkville, MS, 39762, United States, sc2603@msstate.edu, Adindu Emelogu, Mohammad Marufuzzaman, Linkan Bian

■ WA80

Broadway E- Omni

Health Care, Public I

Contributed Session

Chair: Amit K Bardhan, Professor, University of Delhi, Delhi, 110007, India, amit-bardhan@fms.edu

1 - Application Of System Dynamics To Private Sector Versus Medicare Cost Projections
Michael P D'Itri, Associate Dean and Professor, Dalton State College, 650 North College Drive, Dalton, GA, 30720, United States, mditri@daltonstate.edu, Robert Culp, Jon Littlefield

2 - Identifying The Impact Of Outdated Drug Limit Library Usage By Smart Infusion Pump Logs
Kang-Yu Hsu, PhD Student, Purdue University, Gerald D and Edna E Mann Hall, 203 S. Martin Jischke Drive, Lafayette, IN, 47907, United States, hsu66@purdue.edu, Poching DeLaurentis, Yuval Bitan, Daniel Degnan, Yuehwern Yih

3 - A Game Theoretic Approach To Pediatric Vaccine Pricing
Banafsheh Behzad, Assistant Professor, California State University, Long Beach, 1250 Bellflower Blvd, MS 8506, Long Beach, CA, 91101, United States, banafsheh.behzad@csulb.edu, Sheldon H Jacobson

4 - Storage And Transport Considerations In Designing The WHO-EPI Vaccine Distribution Network
Jayant Rajgopal, Professor, University of Pittsburgh, Department of Industrial Engineering, University of Pittsburgh, Pittsburgh, PA, 15261, United States, rajgopal@pitt.edu, Jung Lim, Bryan A Norman

5 - Healthcare Facility Location Model Based On Choice Behaviour Of Catchment Population
Amit K Bardhan, Professor, University of Delhi, Delhi, 110007, India, amit-bardhan@fms.edu, Arun K Sharma, Kaushal Kumar

■ WA81

Broadway F- Omni

Health Care, Strategies I

Contributed Session

Chair: Luv Sharma, Ohio State University, 601 Tuscarawas Court, Columbus, OH, 43210, United States, sharma.154@osu.edu

1 - Coordinated Scheduling Policies For Improving Patient Access To Surgical Services
Mustafa Y Sir, Mayo Clinic, 200 First Street SW, Rochester, MN, 55905, United States, sir.mustafa@mayo.edu, Maria Gabriela Martinez, Todd Huschka, Kalyan Pasupathy

2 - Assessing Decisions In Medical Referral Networks From Empirical Data
Michael Pavlin, Wilfrid Laurier University, School of Business and Economics, 75 University Avenue West, Waterloo, ON, N2L 3C5, Canada, mpavlin@wlu.ca, Mojtaba Araghi

3 - A System Dynamics Model To Investigate The Impacts Of Non-invasive Sensor Based Interventions
Mehmet Serdar Kilinc, Pennsylvania State University, 310 Leonhard Building, Department of Industrial Engineering, University Park, PA, 16802, United States, serdarmehmet@gmail.com, Jose Angel Castro, Linlin Ma, Harriet Black Nembhard

4 - Does The Office Of Patient Experience Matter In Improving Delivery Of Care? An Econometricstudy Of US Hospitals
Luv Sharma, Ohio State University, 601 Tuscarawas Court, Columbus, OH, 43210, United States, sharma.154@osu.edu, Aravind Chandrasekaran

■ WA82

Broadway G- Omni

Networks and Graphs I

Contributed Session

Chair: Zhengyuan Zhou, Stanford University, 160 Comstock Circle - Unit 106002, Stanford, CA, 94305, United States, zyzhou@stanford.edu

1 - Facets And Valid Inequalities For The Pathwidth Problem
Tom Rihm, University of Bern, Schuetzenmattstrasse 14, Bern, Switzerland, tom.rihm@pqm.unibe.ch, Arie Koster

2 - Network Design Problem With Relays
Baris Yildiz, Assistant Professor, Koc University, Rumeli Feneri Yolu, Sariyer, Istanbul, Turkey, baris.yildiz@bilkent.edu.tr, Oya Ekin Karasan, Hande Yaman

3 - A Sampling Strategy For Estimating Features Of Large Networks
Jingjing Zou, Columbia University, 434 W.120th St, Apt 3J, New York, NY, 10027, United States, jz2335@columbia.edu, Richard Davis, Gennady Samorodnitsky, Zhi-Li Zhang

5 - Games On Influence Networks: Equilibria, Free Riding And Dynamics
Zhengyuan Zhou, Stanford University, 160 Comstock Circle, Unit 106002, Stanford, CA, 94305, United States, zyzhou@stanford.edu, Nicholas Bambos, Peter Glynn

■ WA83

Broadway H- Omni

Supply Chain Optimization I

Contributed Session

Chair: Stewart Liu, PhD Candidate, Univeristy of California - Berkeley, 4141 Etcheverry Hall, MC 1777, Berkeley, CA, 94720, United States, stewart_liu@berkeley.edu

1 - A Newsvendor Problem With Multiple Unreliable Suppliers
Roshanak Mohammadivojdan, PhD Student, University of Florida, 303 Weil Hall, P.O. Box 116595, Gainesville, FL, 32611, United States, rmohammadivojdan@ufl.edu, Yasemin Merzifonluoglu, Joseph Geunes

2 - Topological Network Design Of Closed Finite Capacity Supply Chain Networks
Laoucine Kerbache, Professor, HEC Paris School of Management, Ops Mgmt & Information Systems, 1 Rue de La Liberation Jouy-En-Josas, 78351, France, kerbache@hec.fr, James Macgregor Smith

3 - Vendor-buyer Cooperative Policy With Penalty For Late Delivery
Md Shahriar Jahan Hossain, Graduate Assistant, Louisiana State University, 2508 Patrick F. Taylor Hall, Baton Rouge, LA, 70803, United States, msjhossain1@gmail.com, Mohamed M. Ohaiba, Bhaba R Sarker

4 - Two-step Gradient Search For Optimizing Biopharmaceutical Supply Chain Decision-making
Stewart Liu, PhD Candidate, Univeristy of California-Berkeley, 4141 Etcheverry Hall, MC 1777, Berkeley, CA, 94720, United States, stewart_liu@berkeley.edu, Philip Kaminsky

■ WA84

Broadway J- Omni

Supply Chain, Risk I

Contributed Session

Chair: Iris Luan, Tongji University, Rm 611, Tongji Building A, No.1500 Siping Road, Shanghai, 200092, China, luanxiaoxi@163.com

2 - Political Risk In Supply Chain And Operations Management: A Conceptual Model
Remi Charpin, PhD Candidate, Clemson University, 100 Sirrine Hall, Box 341305, Clemson, SC, 29634, United States, rcharpi@clemson.edu, Aleda Roth

3 - The Impact Of Responsiveness On Supply Chain Risk A Heuristic Method With Adaptive Genetic Algorithm
Seyed Vahid Reza Nooraie, NC A&T State University, Greensboro, NC, United States, snooraie@aggies.ncat.edu, Mahour Mellat parast, Paul M Stanfield, Saeed Zamiri Marvizadeh

4 - Financial And Order Strategies In A Supply Chain With Option Contracts
Shengya Hua, Peking University, Room 121, Building 1, ChangChun Xin Yuan, Peking University, Yiheyuan Road No.5, Haidian District, Beijing, 100871, China, huasy@pku.edu.cn, Xin Zhai

5 - Structural Equation Model Of The Association O2O Platform Between Service Supply Chain Risk And Vulnerability
Iris Luan, Tongji University, Rm 611, Tongji Buildding A, No.1500 Siping Road, Shanghai, 200092, China, luanxiaoxi@163.com

■ WA85

Broadway K- Omni

Sustainability I

Contributed Session

Chair: Jen-Yi Chen, Assistant Professor, Cleveland State University, 1860 E. 18th Street, Bu 545, Cleveland, OH, 44114, United States, j.chen27@csuohio.edu

1 - Impact Of Official Regulation Policies On Chinese Power Plant's Reusable Environmental Investments And Sustainable Operations
Xiang Ji, School of Management, University of Science and Technology of China, Hefei, China, signji@mail.ustc.edu.cn, Jiasen Sun

2 - Design Of Rainwater Harvesting And Greywater Recycling Systems For Urban Areas
Juliana Arango, Graduate Student, Universidad de los Andes, Bogotá, 111711, Colombia, j.arango905@uniandes.edu.co

3 - Supply Chain Sustainability: A Case Study Based On The Triple-bottom-line Perspective
Mei Cao, University of Wisconsin-Superior, Belknap & Catlin, P.O. Box 2000, Superior, WI, 54880-4500, United States, mcao1@uwsuper.edu, Qingyu Zhang

4 - Leadership And Collaboration For Supply Chain Sustainability
Jen-Yi Chen, Assistant Professor, Cleveland State University, 1860 E. 18th Street, Bu 545, Cleveland, OH, 44114, United States, j.chen27@csuohio.edu

■ WA86

Gibson Board Room-Omni

Telecommunications Modeling and Analysis

Sponsored: Telecommunications

Sponsored Session

Chair: Dimitri Papadimitriou, Nokia Bell Labs, Antwerp, Belgium, Belgium, dimitri.papadimitriou@nokia.com

1 - Reducing The Internet Adoption Gap Between Rich And Poor Through Auction Mechanisms
Sergio Cabrales, Universidad de los Andes, Bogota, Colombia, s-cabral@uniandes.edu.co, Luis Andrés Marentes, Yezid Donoso, Tilman Wolf, Anna B Nagurney

2 - An Efficient Sampling-based Algorithm For Chance-constrained Two-stage Problems
Jianqiang Cheng, Sandia National Laboratories, Livermore, CA, United States, jianqiang.cheng@gmail.com, Richard Li-Yang Chen

3 - On The Convex Piecewise Linear Unsplittable Multicommodity Flow Problem
Bernard Fortz, Université Libre de Bruxelles, Brussels, Belgium, bernard.fortz@ulb.ac.be, Luis Gouveia, Martim Joyce-Moniz

4 - Mixed-integer Programming Model For The Joint Function Placement And Assignment Problem
Dimitri Papadimitriou, Bell Labs, dimitri.papadimitriou@alcatel-lucent.com

■ WA87

Broadway A-Omni

Production and Scheduling

Contributed Session

Chair: Rasaratnam Logendran, Oregon State University, School of Mech Industrial & Mfgr Engr, Rogers Hall Rm 204, Corvallis, OR, 97331-6001, United States, logen.logendran@oregonstate.edu

1 - A Scheduling Algorithm For Additive Manufacturing
Kai-Oliver Zander, PhD Student, Texas Tech University, Box 43061, Lubbock, TX, 79409-3061, United States, Kai-Oliver.Zander@ttu.edu, Milton Louis Smith

2 - Hybird Robust And Stochastic Production Planning On The Shop Floor Considering Real Time Information
Zhengyang Hu, Research Assistant, Iowa State University, 100 Enrollment Services Center Ames, Ames, IA, 50011, United States, zhengya@iastate.edu, Guiping Hu

3 - Quantifying The Performance Of The Tabu Search/Path Relinking Algorithm For Batch Scheduling In Hybrid Flow Shops
Rasaratnam Logendran, Professor, Oregon State University, School of Mech Industrial & Mfgr Engr, Rogers Hall Rm 204, Corvallis, OR, 97331-6001, United States, logen.logendran@oregonstate.edu, Omid Shahvari

■ WA88

Broadway B-Omni

Military Applications I

Contributed Session

Chair: Ali Pala, PhD Student, University at Buffalo, SUNY, 271 Palmdale Drive, Apt 5, Buffalo, NY, 14221, United States, alipala@buffalo.edu

1 - Military Modeling Of Unconventional Conflict
Dean S Hartley, Principal, Hartley Consulting, 106 Windsong Lane, Oak Ridge, TN, 37830, United States, DSHartley3@comcast.net

2 - The Expanding Search Ratio Of A Graph
Thomas Lidbetter, London School of Economics, Houghton Street, London, WC2A 2AE, United Kingdom, t.r.lidbetter@lse.ac.uk Thomas Lidbetter, Rutgers Business School, Newark, NJ, 07102, United States, t.r.lidbetter@lse.ac.uk, Spyros Angelopoulos, Christoph Dürr

3 - Modeling Short Range Missile Defense And Iron Dome
Michael J Armstrong, Associate Professor, Brock University, Dept of FOIS Faculty of Business, St Catharines, ON, L2S 3A1, Canada, michael.armstrong@brocku.ca

4 - United States Coast Guard Reduced Staffing Simulation
Chad A Long, United States Coast Guard, FAA Technical Center Building 350, Atlantic City International Airport, Atlantic City, NJ, 08234, United States, chad.a.long@uscg.mil

5 - Behavioral Analysis Of Illegal Fishery In The Gulf Of Mexico
Ali Pala, PhD Student, University at Buffalo, SUNY, 271 Palmdale Drive, Apt 5, Buffalo, NY, 14221, United States, alipala@buffalo.edu, Vineet Madasseri Payyappalli, Jun Zhuang

■ WA89

Broadway C-Omni

Innovations in Connected and Autonomous Vehicles

Sponsored: TSL, Intelligent Transportation Systems (ITS)

Sponsored Session

Chair: Peiheng Li, Arizona State University, 1, Tempe, AZ, 6, United States, peihengl@asu.edu

1 - A Distributed Framework For Network-Wide Traffic Monitoring And Platoon Information Aggregation Using V2V Communications
Peiheng Li, Arizona State University, Tempe, AZ, United States, peihengl@asu.edu, Yingyan Lou

2 - Development Of Adaptive Forward Collision Warning Algorithm Incorporating Prediction Uncertainty To Reduce False Alarms
Yong Hoon Kim, Purdue University, West Lafayette, IN, United States, kim523@purdue.edu, Shubham Agrawal, Srinivas Peeta

3 - Integrating The Operations Perspective Into Planning Of Automotive Vehicle Platforms
Paul Jana, Research assistant, Technische Universität Muenchen, Arcisstr 21, Munich, 80333, Germany, paul.jana@tum.de, Martin Grunow

■ WA90

Broadway D-Omni

Health Care, Modeling XII

Contributed Session

Chair: Yang Zhan, Shanghai Jiao Tong University, Shanghai, 200030, China, zhanyangjy@sjtu.edu.cn

1 - A Stochastic Stackelberg-Nash-Cournot Equilibrium Model For Long-term Care Capacity Planning
Ashkan Hassani, Texas A&M University, 4050 ETB, College Station, TX, 77840, United States, ashkanhassani@tamu.edu, Mark Alan Lawley, Nan Kong

2 - Dynamically Tracking Multiple Types Of Risks Of Falls With Wearable Sensors via Data Association Problem
Alla Kammerdiner, Assistant Professor, New Mexico State University, Las Cruces, NM, United States, alla@nmsu.edu, Andre Nunes Guerrero

3 - A Simulation Model Of Glucose Metabolism For Predicting Blood Glucose Level
Buket Aydas, University of Wisconsin-Milwaukee, Milwaukee, WI, 53202, United States, baydas@uwm.edu, Mukul Goyal

4 - Two-level Optimization To Balance Value Flow And Patient Flow In Operating Room Block Scheduling
Wei Li, Assistant Professor, University of Kentucky, 414J CRMS Building, 147 Graham Avenue, Lexington, KY, 40506-0108, United States, wei.mike.li@uky.edu

5 - Home Health Care Routing And Appointment Scheduling With Stochastic Service Durations
Yang Zhan, Shanghai Jiao Tong University, Shanghai, 200030, China, zhanyangjy@sjtu.edu.cn, Zizhuo Wang, Guohua Wan

Wednesday, 10:00AM - 10:50AM

■ Keynote Wednesday

Davidson Ballroom A-MCC

The Goals of Analysis are Understanding, Decisions, and Influencing Policy

Invited: Keynote

Invited Session

Chair: Turgay Ayer, Georgia Institute of Technology, Atlanta, GA (Healthcare Analytics Chair; ayer@isye@gatech.edu

1 - The Goals Of Analysis are Understanding, Decisions, And Influencing Policy
Gerald G. Brown, Naval Postgraduate School, Monterey, CA, United States, gbrown@nps.navy.mil

■ Keynote Wednesday

Davidson Ballroom B-MCC

Can Prediction be Better than Cure? On Analytics in Health-Care

Invited: Plenary, Keynote

Invited Session

Chair: Walt DeGrange, CANA Advisors, Chapel Hill, NC, wdegrange@canallc.com

1 - Can Prediction be Better than Cure? On Analytics In Health-Care
Edmund Jackson, Clinical Services Group, HCA, Nashville, TN, United States, edmund.jackson@hcahealthcare.com

■ Keynote Wednesday

Davidson Ballroom C-MCC

SportSource Analytics

Invited: Plenary, Keynote

Invited Session

Chair: James Primbs, California State University Fullerton, 925 Berenice Dr, Brea, CA, 92821, United States, japrimbs@live.com

1 - SportSource Analytics
Stephen Prather, SportSource Analytics, Nashville, TN, United States, team@coachesbythenumbers.com

Wednesday, 11:00AM - 12:30PM

■ WB01

101A-MCC

Pattern Recognition Applications in Data Mining

Sponsored: Data Mining

Sponsored Session

Chair: Cory Stasko, Massachusetts Institute of Technology, 4 Garden Court, Apt 4, Cambridge, MA, 02138, United States, cstasko@mit.edu

1 - Auto Detection Of Tool Wear Using Sequence Alignment Technique
Cheng-Bang Chen, Penn State University, 445 Waupelani Dr., Apt K18, State College, PA, 16801, United States, czc184@psu.edu, Dika Handayani, Deepak Agrawal, Juxihong Julaiti

2 - Mini-batch Proximal Semi-stochastic Gradient Descent In Signal Processing
Jie Liu, PhD Student, Lehigh University, 14 Duh Dr Apt 324, Bethlehem, PA, 18015, United States, jild13@lehigh.edu, Jakub Konecny, Peter Richtarik, Martin Takac

3 - Deconstructing Va Procurement And Logistics Policy With Natural Language Processing
Cory Stasko, Massachusetts Institute of Technology, 4 Garden Court, Apt 4, Cambridge, MA, 02138, United States, cstasko@mit.edu

■ WB02

101B-MCC

Data Mining in Healthcare 2

Sponsored: Data Mining

Sponsored Session

Chair: zihao Jiao, MD, United States, zihaobit@163.com

1 - Doctors Performance In Emergency Rooms
Amir Mousavi, George Washington University, 2700 Wisconsin Ave, Unit 305, Washington, DC, 20007, United States, ahmn00@gmail.com

2 - A Deep Feature Selection Approach For Personalized Medicine
Milad Zafar Nezhad, PhD Student, Wayne State University, Wayne State Univesity, Detroit, MI, 48202, United States, fq3963@wayne.edu, Kai Yang

■ WB03

101C-MCC

Advances in Emergency Department Operations Management/Research

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Soroush Saghafian, Harvard Univeristy, 79 John F. Kennedy Street, Mailbox 37, Cambridge, MA, 02138, United States, soroush_saghafian@hks.harvard.edu

1 - Managing Emergency Operations
Eva Lee, Georgia Tech, eva.lee@isye.gatech.edu, William Wang

2 - The Impact Of Health Information Exchanges On Emergency Department Length Of Stay
Jan Vlachy, Georgia Institute of Technology, Atlanta, GA, United States, vlachy@gatech.edu, Turgay Ayer, Mehmet U.S. Ayvaci, Zeynal Karaca

3 - Assignment Policy To Improve Emergency Department Boarding Time: A Safety And Quality Of Care Perspective
Derya Kilinc, Arizona State University, dkilinc@asu.edu, Soroush Saghafian, Stephen J Traub

4 - Robust Data-driven Emergency Department Management Via Percentile Optimization: Multi-class Queueing Systems With Model Ambiguity
Austin Bren, Arizona State University, Phoenix, AZ, United States, asbren@asu.edu, Soroush Saghafian

■ WB04

101D-MCC

Optimization Methods in Smart Grid

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Andrew Liu, Purdue University, 315 N. Grant Street, West Lafayette, IN, 47907, United States, andrewliu@purdue.edu

1 - Online Opf With Quasi-Newton Algorithm
Yujie Tang, California Institute of Technology, Pasadena, CA, United States, ytang2@caltech.edu, Krishnamurthy Dvijotham, Steven Low

2 - Power System State Estimation In The Presence Of Bad Data
Ramtin Madani, University of California, Berkeley, Berkeley, CA, United States, ramtin.madani@berkeley.edu, Javad Lavaei, Ross Baldick

3 - Parallelized Interior Point Method For Security Constrained Optimal Power Flow Problem
Na Li, Assistant Professor, Harvard University, 33 Oxford St,, MD 147, Cambridge, MA, 02139, United States, nali@seas.harvard.edu, Ariana Minot, Yannick Meier

4 - Implement Real Time Pricing With Regret Based Learning
Andrew Lu Liu, Purdue University, andrewliu@purdue.edu

■ WB05

101E-MCC

Forest management: Transportation and/or Collaborative Logistics

Sponsored: Energy, Natural Res & the Environment II Forestry

Sponsored Session

Chair: Mikael Ronnqvist, Universite Laval, Quebec, QC, Canada, mikael.ronnqvist@gmc.ulaval.ca

1 - Overlapping Coalitions In Collaborative Transportation Of Forest Biomass
Mario Guajardo, Norwegian School of Economics, Mario.Guajardo@nhh.no, Patrik Flisberg, Mikael Frisk, Mikael Ronnqvist

2 - Bundle-based Auction For Timber Allocations
Sophie D Amours, Université Laval, Sophie.Damours@gmc.ulaval.ca, Marc-André Carle, Mikael Ronnqvist

3 - Supply Network Planning Of Forest Fuel Using Robust Optimization
Jens Bengtsson, Norwegian University of Life Sciences, jens.bengtsson@nmbu.no, Patrik Flisberg, Mikael Ronnqvist

4 - Collaborative Logistics
Mikael Ronnqvist, Universite Laval, mikael.ronnqvist@gmc.ulaval.ca

■ WB07

102B-MCC

Simulation and Data Mining

Sponsored: Data Mining

Sponsored Session

Chair: Mohammad Ali Asudegi, UTK, 301 Woodlawn Pike, Apt G12, Knoxville, TN, 37920, United States, aliasudegi@gmail.com

1 - Discrete Event Simulations Of Urgent Care Resource Scheduling
Leyla Zhuhadar, Assistant Professor, Western Kentucky University, 1906 College Heights Boulevard, 226 Grise Hall, Bowling Green, KY, 42101, United States, leyla.zhuhadar@wku.edu, Evelyn Thrasher, Kirk Atkinson

2 - A Data Mining Approach For Evaluating Simulation Output
Thomas Robbins, East Carolina University, 3212 Bate Building, Greenville, NC, 27858, United States, robbinst@ecu.edu

3 - Performance Indicators And Operating Factors In A Complex Manufacturing System
Mohammad Ali Asudegi, UTK, 525 John D. Tickle Engineering Building, 851 Neyland Dr, Knoxville, TN, 37996, United States, aliasudegi@gmail.com, Rupy Sawhney

■ WB08

103A-MCC

Supply Chain Mgt, Green

Contributed Session

Chair: Jianan Sun, Doctoral Student, Xi'an Jiao Tong University, 28 Xianning Road, Shanxi Province, Xi an, 710049, China, sjn168@stu.xjtu.edu.cn

1 - Price Competition Induced By A Partially Green-sensitive Consumer Market In A Dual Manufacturer-single Retailer Channel
Arka Mukherjee, PhD Scholar, Concordia University, 1455 De Maisonneuve Blvd. W., Montreal, QC, H2G 1M8, Canada, ar_mukh@live.concordia.ca

2 - Incentives For Fair Labor Practices In a Supply Chain
Susan A Slotnick, Professor, Cleveland State University, 1860 E. 18th Street, BU 542, Cleveland, OH, 44115, United States, s.slotnick@csuohio.edu, Matthew J Sobel

3 - Channel Choice For Closed-loop Supply Chain Under Government Replacement-subsidy
Jianan Sun, doctoral Student, Xi'an Jiao Tong University, 28 Xianning Road, Shanxi Province, Xi an, 710049, China, sjn168@stu.xjtu.edu.cn

■ WB09

103B-MCC

Empirical Research on Sustainable Operations

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Priyank Arora, Georgia Institute of Technology, 800 W Peachtree St NW, Atlanta, GA, 30308, United States, priyank.arora@scheller.gatech.edu

1 - Responsible Customers
Brian Jacobs, Michigan State University, jacobsb@broad.msu.edu, Vinod R Singhal

2 - The Role Of Managerial Commitment On The Relationship Between Controversy And Environmental Practice Adoption
Rick Hardcopf, University of Minnesota, rhardcopf@gmail.com

3 - The Relationship Between Corporate Social Performance, Productivity, Financial Performance, And Risk
Richard Kraude, Michigan State University, kraude@broad.msu.edu, Sriram Narayanan, Brian W Jacobs

4 - Relationship Between Appointments Of Corporate Sustainability Leaders And Firm Performance
Priyank Arora, Georgia Institute of Technology, 800 W Peachtree St NW, Atlanta, GA, 30308, United States, priyank.arora@scheller.gatech.edu, Manpreet Singh Hora, Vinod R Singhal, Ravi Subramanian

■ WB10

103C-MCC

Underground Mine Planning

Sponsored: Energy, Natural Res & the Environment, Natural Resources I Mining

Sponsored Session

Chair: Alexandra M Newman, Colorado School of Mines, 1104 Maple Street, Golden, CO, 80401, United States, anewman@mines.edu

1 - Sensitivity Analysis as a Tool For Improving Robustness Of Underground Mine Production Schedule
Tacio Vinicius Ferreira Lopes, South Dakota School of Mining and Technology, 501 E Saint Joseph Street, Rapid City, SD, 57701, United States, taciovinicius.ferreiralopes@mines.sdsmt.edu, Andrea Brickey

2 - Optimal Support Pillar Placement In An Underground Mine
Levente Sipeki, Colorado School of Mines, lsipeki@mymail.mines.edu

3 - Short And Medium-term Scheduling Model For Large Underground Mines
Louis-Pierre Campeau, PhD Student, Polytechnique Montreal, 2900 Edouard-Montpetit, Montreal, QC, H3T 1J4, Canada, louis-pierre.campeau@polymtl.ca, Michel Gamache

4 - Underground Mine Plan Optimization
David Whittle, University of Melbourne, a, Melbourne, Australia, dwhittle1@Student.unimelb.edu.au

5 - A Benders-decomposition-based Method For The Simultaneous Optimization Of A Mineral Value Chain
Jian Zhang, McGill University, Apt 605, 3450 Rue Hutchison, Montreal, QC, H2X2G5, Canada, jian.zhang9@mail.mcgill.ca, Roussos G Dimitrakopoulos

■ WB11

104A-MCC

Transportation Network Analysis

Sponsored: Optimization, Network Optimization

Sponsored Session

Chair: Bahar Cavdar, Middle East Technical Univeristy, Atlanta, GA, United States, bcavdar@metu.edu.tr

1 - An Integrated Fleet Management Model Introducing Alternative Fuel Trucks
Ilke Bakir, PhD Candidate, Georgia Institute of Technology, Atlanta, GA, United States, ilkebakir@gatech.edu, Alan Erera

2 - Solving The Split Delivery Vehicle Routing Problem With A Priori Split
Xingyin Wang, University of Maryland, College Park, MD, 20742, United States, wang_xingyin@yahoo.com, Ping Chen, Bruce L Golden, Edward Andrew Wasil

3 - A Computation - Implementation Parallelization Approach For Computation - Time Limited Vehicle Routing Problem With Soft Time Windows
Bahar Cavdar, Middle East Technical Univeristy, Universiteler Mahallesi, Dumlupinar Bulvari No: 1, Ankara, 06800, Turkey, bcavdar@metu.edu.tr, Joel Sokol

■ WB12

104B-MCC

Polyhedral Methods in Combinatorial Optimization

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Carla Michini, University of Wisconsin, 330 North Orchard Street, Madison, WI, 53715, United States, michini@wisc.edu

1 - 2-level Polytopes: Recent Results And Open Problems
Yuri Faenza, Columbia University, New York, NY, United States, yuri.faenza@gmail.com

2 - Approximation Algorithm For Structured Packing IPs
Qianyi Wang, Georgia Institute of Technology, qianyi.wang@gatech.edu, Santanu Subhas Dey, Marco Molinaro

3 - Totally Unimodular Congestion Games
Carla Michini, University of Wisconsin, Madison, WI, United States, michini@wisc.edu, Alberto Del Pia, Michael C Ferris

4 - Learning To Dynamically Select Primal Heuristics In MIP Branch-and-bound
Elias B Khalil, Georgia Institute of Technology, Atlanta, GA, 30332, United States, lyes@gatech.edu, Bistra Dilkina, George L Nemhauser, Shabbir Ahmed

■ WB13

104C-MCC

Advances in Integer Programming Software

Sponsored: Optimization, Computational Optimization and Software

Sponsored Session

Chair: Imre Polik, Optimization Solver Developer, SAS, SAS, Cary, NC, 27513, United States, Imre.Polik@sas.com

1 - A New Deterministic Parallel Framework For Mixed Integer Programs
Michael Perregaard, FICO, MichaelPerregaard@fico.com

2 - The SAS MILP Solver: Current Status And Future Developments
Philipp M. Christophel, SAS Institute Inc., Mainz, Germany, philipp.christophel@sas.com

3 - Performance Improvements And New Features In The Gurobi Optimizer
Zonghao Gu, Gurobi Optimization, gu@gurobi.com

4 - Recent Advances In Ibm Ilog Cplex Optimizer
Andrea Tramontani, IBM Italy, Via Martin Luther King, 38/2, Bologna, 40132, Italy, andrea.tramontani@it.ibm.com

■ WB15

104E-MCC

Detection of Structure and Anomalous Patterns in Data

Sponsored: Artificial Intelligence

Sponsored Session

Chair: David Sungjun Choi, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA, 15213, United States, davidch@andrew.cmu.edu

1 - Efficient Discovery Of Heterogeneous Treatment Effects In Randomized Experiments Via Anomalous Pattern Detection
Edward McFowland, Assistant Professor, University of Minnesota, Minneapolis, MN, United States, emcfowla@umn.edu, Satya Venkata Somanchi, Daniel B Neill

2 - Detecting Anomalous Patterns Of Care Using Health Insurance Claims
Satya Venkata Somanchi, University of Notre Dame, 344 Mendoza College of Business, Notre Dame, IN, 46556, United States, somanchi.1@nd.edu, Edward McFowland

3 - FastMemory-efficient Anomaly Detection In Streaming Heterogenous Graphs
Emaad Ahmed Manzoor, Carnegie Mellon University, Pittsburgh, PA, 19106, United States, emaad@cmu.edu

4 - Sequential Goodness Of Fit Testing With False Discovery Rate Control
Sangwon (Justin) Hyun, Carnegie Mellon, Pittsburgh, PA, United States, robohyun66@gmail.com, Max G'Sell

■ WB16

105A-MCC

Optimal Learning and Optimization via Simulation

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Peter Frazier, Cornell University, 410 Thurston Ave, Ithaca, NY, United States, pf98@cornell.edu

1 - Optimal Learning With Discrete Priors
Weidong Han, Princeton University, whan@princeton.edu

2 - Parallel Knowledge Gradient For Global Optimization Of Expensive Functions
Jian Wu, Cornell University, Ithaca, NY, 14850, United States, jw926@cornell.edu, Peter Frazier

3 - Secant Tangents-averaged Stochastic Approximation (STAR-SA)
Marie Chau, Virginia Commonwealth University, mchau@vcu.edu

4 - Optimal Learning For Nonlinear Parametric Belief Models With Continuous Alternatives
Xinyu He, Princeton University, Princeton, NJ, United States, xinyuhe@princeton.edu, Warren B Powell

■ WB17

105B-MCC

Distributed Consensus Optimization

Sponsored: Optimization, Nonlinear Programming

Sponsored Session

Chair: Necdet Serhat Aybat, The Pennsylvania State University, 310 Leonhard Building, University Park, PA, 16802, United States, nsa10@psu.edu

1 - DQM: Decentralized Quadratically Approximated Alternating Direction Method Of Multipliers
Aryan Mokhtari, University of Pennsylvania, 200 South 33rd Street, Room 203 Moore Building, Philadelphia, PA, 19104, United States, aryanm@seas.upenn.edu, Wei Shi, Qing Ling, Alejandro Ribeiro

2 - A Geometrically Convergent Method For Distributed Optimization Over Time-varying And Directed Graphs
Wei Shi, Postdoctoral Research Associate, Coordinated Science Laboratory, University of Illinois at Urbana-Champaign, Urbana, IL, 61801, United States, wilburs@illinois.edu, Angelia Nedich, Alex Olshevsky

3 - Distributed Admm-like Methods For Cooperative Multi-agent Optimization Over Conic Constraints
Erfan Yazdandoost Hamedani, Penn State University, Department of Industrial Engineering, 310 Leonhard Bldg. University Park, State College, PA, United States, evy5047@psu.edu, Necdet Serhat Aybat

■ WB18

106A-MCC

DMA General

Contributed Session

Chair: Jose M. Merigo, Full Professor, University of Chile, Av. Diagonal Paraguay 257, Santiago, 8330015, Chile, jmerigo@fen.uchile.cl

1 - Cyber Attacker Choices In A Three-way Behavioral Security Game
Jinshu Cui, University of Southern California, 3620 McClintock Avenue, # 501, Los Angeles, CA, 90089, United States, jinshucu@usc.edu, Richard S John, Heather Rosoff

2 - Sequential Decisions Following Near Misses
Jinshu Cui, University of Southern California, 3620 McClintock Avenue, # 501, Los Angeles, CA, 90089, United States, jinshucu@usc.edu, Richard S John

3 - Column Generation For Airline Crew Rostering: Practical Considerations In A Production System
Andreas Westerlund, Optimization Expert, Jeppesen, Odinsgatan 9, Gothenburg, 411 03, Sweden, andreas.westerlund@jeppesen.com

4 - The Internet Of Things: Preliminary Research Results
Gary D Scudder, Vanderbilt University-OGSM, 401 21st Avenue South, Nashville, TN, 37203-2422, United States, gary.scudder@owen.vanderbilt.edu, Sal March

5 - The Ordered Weighted Average Division
Jose M. Merigo, Full Professor, University of Chile, Av. Diagonal Paraguay 257, Santiago, 8330015, Chile, jmerigo@fen.uchile.cl, Sigifredo Laengle, Ronald R Yager

■ WB19

106B-MCC

Future of Disease Modeling in Clinical and Public Health

Sponsored: Computing

Sponsored Session

Chair: Zeynep Ertem, University of Texas-Austin, University of Texas-Austin, Austin, TX, United States, zeynepsertem@gmail.com

1 - Pandemic Influenza Preparedness
David Morton, Northwestern University, david.morton@northwestern.edu

2 - Role Of Operations Research In Chronic Disease Management
Mariel Lavieri, University of Michigan, lavieri@umich.edu

3 - Mathematical Models for Cancer Screening
Fatih Safa Erenay, University of Waterloo, ferenay@uwaterloo.ca

■ WB20

106C-MCC

Assets and Structured Hedges in Energy Markets Severe Incompleteness and Methods for Dealing with It

Invited: Tutorial

Invited Session

Chair: Glen Swindle, Scoville Risk Partners, 405 Lexington Avenue, 21st Floor, New York, NY, 112, United States, glenswindle@scovilleriskpartners.com

1 - Assets And Structured Hedges In Energy Markets – Severe Incompleteness And Methods For Dealing With It
Glen Swindle, Scoville Risk Partners, 405 Lexington Avenue, 21st Floor, New York, NY, 12, United States, glenswindle@scovilleriskpartners.com

■ WB21

107A-MCC

Emerging Methods for Healthcare Analytics and Visualization

Sponsored: Health Applications

Sponsored Session

Chair: Rahul C Basole, Georgia Institute of Technology, 85 Fifth Street NW, Atlanta, GA, 30332, United States, basole@gatech.edu

1 - A Semi-supervised Learning Approach To Enhance Health Care Community-based Question Answering
Papis Wongchaisuwat, Northwestern University, Evanston, IL, United States, papiswongchaisuwat2013@u.northwestern.edu, Diego Klabjan, Siddhartha R Jonnalagadda

2 - Visual Analytics For Population Level Health Analysis
Rahul C Basole, Georgia Institute of Technology, 85 Fifth Street, Atlanta, GA, 30332, United States, basole@gatech.edu, Mark L. Braunstein, Hyunwoo Park, Dhruv Mutturaju, Myung Choi, Richard Starr

3 - Double Sided Network Externalities In Healthcare Information Exchanges
Emre Muzaffer Demirezen, School of Management, Binghamton University, School of Management Binghamton University, State University of New York AA278, Binghamton, NY, 13902, United States, edemirezen@binghamton.edu, Subodha Kumar, Arun Sen

■ WB22

107B-MCC

Empirical Analysis of Resource Utilization

Sponsored: Health Applications

Sponsored Session

Chair: David Anderson, CUNY Baruch, 55 Lexington Ave, New York, NY, 10010, United States, davidrybergander son@gmail.com

1 - Comprehensive Prediction Models For Colorectal Cancer Mortality
David Anderson, CUNY Baruch, David.Anderson@Baruch.Cuny.Edu

2 - Slow First, Fast Later: Temporal Speed-up In Service Episodes Of Finite Duration
Aditya Jain, CUNY Baruch, Aditya.Jain@baruch.cuny.edu, Sarang Deo

3 - The Impact Of Reminder Calls For A Pediatrics Practice
Kiatikun Louis Luangkesorn, Assistant Professor, University of Pittsburgh, 1028 Benedum Hall, 3700 Ohara St, Pittsburgh, PA, 15261, United States, lluangkesorn@pitt.edu, Tricia Pil

■ WB23

108-MCC

Optimal Treatment & Screening of Chronic Care Patients

Sponsored: Health Applications

Sponsored Session

Chair: Huaiyang Zhong, Stanford University, 475 Via Ortega, Stanford, CA, 94305, United States, hzhong34@stanford.edu

1 - Optimal Statin Therapy Plan For Diabetic Patients
Saeideh Mirghorbani, University of Alabama, Tuscaloosa, AL, United States, smirghorbani@crimson.ua.edu

2 - Fairness In Down Syndrome Screening
Jia Yan, Georgia Institute of Technology, Atlanta, GA, United States, jyan40@gatech.edu, Turgay Ayer, Pinar Keskinocak

3 - Improving The HIV Care Cascade Via Mental Health Interventions
Huaiyang Zhong, Stanford University, hzhong34@stanford.edu

■ WB24

109-MCC

Optimization in Radiation Therapy

Sponsored: Health Applications

Sponsored Session

Chair: Omid Nohadani, Northwestern University, 2145 Sheridan Road, Room M233, Evanston, IL, 60208-3119, United States, nohadani@northwestern.edu

1 - Designing Radiation Therapy Criteria With Data-driven Robust Optimization
S. Nastaran Shojaei, Northwestern University, 2145 Sheridan Road Room C210, Evanston, IL, 60208, United States, nastaranshojaei@u.northwestern.edu, Seyed M.R. Iravani, Omid Nohadani

2 - Multicriteria Optimization For Brachytherapy Treatment Planning
Victor Wu, University of Michigan, vwwu@umich.edu, Marina Epelman, Michael Herman, Kalyan Pasupathy, Mustafa Sir, Christopher Duefel

3 - Automated IMRT Treatment Planning For SBRT Paraspinal Case Using Prioritized Optimization
Masoud Zarepisheh, Assistant professor/attending, Memorial Sloan Kettering Cancer Center, New York, NY, United States, zarepism@mskcc.org, Linda Hong, James Mechalakos, Margie Hunt, Gikas Mageras, Joseph Deasy

4 - Time-dependent Radiation Therapy Optimization
Arkajyoti Roy, Bowling Green State University, 4154 Moser Ln, Bowling Green, OH, 43551, United States, aroy@bgsu.edu, Omid Nohadani

■ WB25

110A-MCC

Logistics II

Contributed Session

1 - Coordination Between Shipper And Carrier In City Logistics
Gitae Kim, Hanbat National University, Dept. of Industrial Management Engineering, School of Engineering, Daejeon, 34158, Korea, Republic of, gitaekim@hanbat.ac.kr, Juncheul Park

2 - An Optimization Framework For Simultaneous Space Logistics Mission Planning And Spacecraft Design
Hao Chen, University of Illinois at Urbana-Champaign, 310 E. Springfield Ave, Champaign, IL, 61820, United States, hchen132@illinois.edu, Koki Ho

■ WB26

110B-MCC

Information Systems I

Contributed Session

1 - Designing Referral Policies For Optimal Membership Growth: A Real World Randomized Experiment In An Exclusive Online Dating Site
Rodrigo Belo, Assistant Professor, Erasmus University, Mandeville Building T09-20, Burgemeester Oudlaan 50, Rotterdam, 3062 PA Rotterdam, Netherlands, rbelo@rsm.nl, Ting Li

2 - Agent Based Simulation For Social Support Networks
M. Gisela Bardossy, University of Baltimore, 1420 N. Charles Street, Baltimore, MD, 21201, United States, mbardossy@ubalt.edu, Stefano Za, Eusebio Scornavacca

3 - Multi-homing Within Platform Ecosystems: The Strategic Role Of Human Capital
Vijayaraghavan Venkataraman, Georgia Institute of Technology, 800 West Peachtree NW, Atlanta, GA, 30308, United States, vijayaraghavan.venkataraman@scheller.gatech.edu, Marco Ceccagnoli, Chris Forman

4 - The Impact Of Sharing Markets On Product Durability
Maryam Razeghian, Ecole Polytechnique Federale de Lausanne, ODY 4.16, Station 5, Lausanne, 1015, Switzerland, maryam.razeghian@epfl.ch, Thomas A. Weber

5 - Are All Data Thieves Created Equal? An Empirical Analysis Of Customer Response To Identity Theft
John N Angelis, Elizabethtown College, 100 Farmhouse Lane, Mountville, PA, 17554, United States, angelisj@etown.edu, Joseph C Miller

■ WB27

201A-MCC

Information and Consumer Behavior in Supply Chain Management

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Hyoduk Shin, UC-San Diego, La Jolla, CA, United States, hdshin@ucsd.edu

1 - Loss Aversion And The Uniform Pricing Puzzle For Media And Entertainment Products
Javad Nasiry, Hong Kong University of Science and Technology-HKUST, nasiry@ust.hk

2 - Generalized Reverse Auctions: Efficiency And Credibility Under Information Asymmetry
Hedayat Alibeiki, McGill University, 1001 Sherbrooke Street West, Desautels Faculty of Management, Montreal, QC, H3A 1G5, Canada, hedayat.alibeiki@mail.mcgill.ca, Mehmet Gumus

3 - Incentives For Sharing Cyber-security Breaches Among Competing Firms
Noam Shamir, Tel Aviv University, nshamir@post.tau.ac.il

■ WB28

201B-MCC

Product Recalls

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Harish Krishnan, University of British Columbia, Vancouver, BC, Canada, krishnan@sauder.ubc.ca

Co-Chair: Juan Camilo Serpa, Assistant Professor, McGill University, 1001 Rue Sherbrooke O, Montreal, QC, H3A 1G5, Canada, juan.serpa@sauder.ubc.ca

1 - Cover-up Of Safety Hazards: Delays In Voluntary Product Recalls
Woonam Hwang, Assistant Professor, HEC Paris, Paris, France, hwang@hec.fr, Soo-Haeng Cho, Victor DeMiguel

2 - Board Composition And Firm Responsiveness To Product-harm Crises
George Ball, Indiana University, Kelley School of Business, gpball@indiana.edu, Kaitlin Wowak, Corinne Post

3 - Why Do Automakers Initiate Recalls? A Structural Econometric Study
Ahmet Colak, Northwestern University, Evanston, IL, United States, a-colak@kellogg.northwestern.edu, Robert Louis Bray

■ WB29

202A-MCC

Managing Responsibility in Supply Chains

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Jing-Sheng Jeannette Song, Duke University, Durham, NC, United States, jssong@duke.edu

1 - Cooperative Approaches To Managing Social Responsibility In Supply Chains: Joint Auditing And Information Sharing
Soo-Haeng Cho, Carnegie Mellon University, soohaeng@andrew.cmu.edu, Xin Fang

2 - Improving Supplier Compliance Through Joint And Shared Audits With Collective Penalty
Prashant Chintapalli, UCLA, Los Angeles, CA, United States, prashant.chintapalli.1@anderson.ucla.edu, Felipe Caro, Kumar Rajaram, Christopher S Tang

3 - Testing By Competitors In Enforcement Of Product Standards
Terry Taylor, University of California Berkeley, Berkeley, CA, 94720, United States, taylor@haas.berkeley.edu, Erica Plambeck

■ WB30

202B-MCC

Management of Critical Care

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Vedat Verter, McGill University, Montreal, QC, Canada, vedat.verter@mcgill.ca

Co-Chair: Michael Klein, McGill University, Montreal, QC, Canada michael.klein2@mail.mcgill.ca

1 - Specialist Care In Rural Hospitals: From Emergency Department Consultation To Inpatient Ward Discharge
Michael G. Klein, McGill University, Montreal, QC, Canada, michael.klein2@mail.mcgill.ca, Vedat Verter, Hughie F. Fraser, Brian G. Moses

2 - Effects Of Admission And Discharge Delays On Intensive Care Unit Patient Outcomes
Elisa Long, Assistant Professor, UCLA Anderson School of Management, Los Angeles, CA, 90095, United States, elisa.long@anderson.ucla.edu, Kusum Mathews

3 - A Delay-differential Equation Model Of An Intensive Care Unit
Eman Almehdawe, University of Regina, Regina, SK, Canada, Eman.Almehdawe@uregina.ca, Armann Ingolfsson

■ WB31

202C-MCC

Service Operations in a Modern Economy

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Serguei Netessine, INSEAD, 1 Ayer Rajah Avenue, Singapore, 138676, Singapore, serguei.netessine@insead.edu

1 - Ethics, Bounded Rationality And Ip Sharing In Knowledge-based Outsourcing
Manu Goyal, University of Utah, Salt Lake City, UT, United States, manu.goyal@eccles.utah.edu, Krishnan S Anand

2 - Accurate Estimation Of Retail Store Traffic From People Counters To Achieve Better Conversion
Anup Hanamant Walvekar, INSEAD, anup.walvekar@insead.edu

3 - Mitigating Digital Discrimination With Reviews In The Sharing Economy: Field Evidence From Airbnb
Dennis Zhang, Kellogg School of Management, Northwestern University, Evanston, CA, 60201, United States, zjj1990228@gmail.com, Jun Li, Ruomeng Cui

4 - Impact Of Operational Risks In Financial Organizations
Yuqian Xu, New York University, 44 West 4th Street, New York, NY, 10012, United States, lillian.xyq@gmail.com, Fangyun Tan, Serguei Netessine

■ WB32

203A-MCC

Risk Analysis II

Contributed Session

Chair: David Menachof, Peter Thompson Chair in Port Logistics, The University of Hull, Logistics Institute, Hull University Business School, Kingston upon Hull, HU6 7RX, United Kingdom, d.menachof@hull.ac.uk

1 - Macroscopic Look At The Equity Market
Abdullah Alshelahi, PhD Student, University of Michigan, 2410 Leslie Circle, Ann Arbor, MI, 48105, United States, shelahi@umich.edu, Romesh Saigal

2 - The Analytics Of A Business Traveler's Alert System
Fletcher Lu, Associate Professor, University of Ontario Institute of Technology, Faculty of Business and IT, 2000 Simcoe Street North, Oshawa, ON, L1H 7K4, Canada, fletcher.lu@uoit.ca

3 - Risk Sharing Between The Insured And The Insurer
Christopher Gaffney, Drexel University, 3141 Chestnut St, LeBow College of Business, Philadelphia, PA, 19104, United States, ctg39@drexel.edu

4 - Filtering For Risk Assessment Of Interbank Network
Majeed Simaan, PhD Student, RPI, 110 8th Street, Pittsburgh Building, TROY, NY, 12180, United States, simaam@rpi.edu, Aparna Gupta, Koushik Kar

5 - Decision Making Under Uncertainty Using Monte Carlo Simulation: Case Of The Offshore Wind Industry Supply Chain
David Menachof, Peter Thompson Chair in Port Logistics, The University of Hull, Logistics Institute, Hull University Business School, Kingston upon Hull, HU6 7RX, United Kingdom, d.menachof@hull.ac.uk, Negar Akbari

■ WB33

203B-MCC

Production and Scheduling II

Contributed Session

Chair: Jorge Pereira, Universidad Adolfo Ibáñez, Avda. Padre Hurtado 750, office 216-C, Viña del Mar, 2530852, Chile, jorge.pereira@uai.cl

1 - Sequencing In Mixed Model Assembly Lines
Mary Beth Kurz, Clemson University, 271 Freeman Hall, Clemson, SC, 29634-0920, United States, mkurz@clemson.edu, Anas Alghazi

2 - A Systematic Literature Review Of Rolling Methods For Production Planning
Reha Uzsoy, North Carolina State University, Dept. of Industrial & Systems Engg, 300 Daniels Hall Camps Box 7906, Raleigh, NC, 27695-7906, United States, ruzsoy@ncsu.edu, Rafael Gumaraes Wollmann, Raimundo de Sampaio

3 - A Simulated Annealing Approach For Scheduling Jobs On Identical Parallel Machines
Pravin Tambe, RCOEM, Katol Road, Nagpur, 440013, India, tambepp@gmail.com, Makarand Kulkarni

4 - Cross-training Policies For Team Cost And Robustness
Jordi Olivella, Assistant professor, Universitat Politecnica de Catalunya, Avda. Diagonal 647, Barcelona, 08028, Spain, jorge.olivella@upc.edu, David A Nembhard

5 - The Robust Simple Assembly Line Balancing Problem
Jorge Pereira, Universidad Adolfo Ibáñez, Avda. Padre Hurtado 750, office 216-C, Viña del Mar, 2530852, Chile, jorge.pereira@uai.cl

■ WB34

204-MCC

Operations Analysis in Healthcare

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Tinglong Dai, Johns Hopkins University, Baltimore, MD, United States, dai@jhu.edu

Co-Chair: Daniel Ding, University of British Columbia, 2053 Main Mall, Vancouver, V6T 1Z2, Canada, daniel.ding@sauder.ubc.ca

1 - Allocation Of ICU Beds During Periods Of High Demand
Huiyin Ouyang, University of North Carolina, ouyanghuiyin@gmail.com

2 - Late-onset Neonatal Sepsis Prediction Using Supervised Learning Techniques
Nadia Aly, College of William and Mary, naaly@email.wm.edu

3 - Price Discrimination In a Regulated Healthcare Market: Role Of Government Subsidy And Price Cap
Jianpei Wen, Peking University, Founder Building, No.298 ChengFu Rd, HaiDian District., Beijing, 100871, China, wenjianpei@pku.edu.cn, Frank Y Chen, Jie Song

4 - A Reservation Policy For Medical Diagnostic Resource Allocation
Weifen Zhuang, Xiamen University, wfzhuang@xmu.edu.cn

■ WB36

205B-MCC

Supply Chain Analytics

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: A Serdar Simsek, University of Texas-Dallas, 800 W. Campbell Rd, SM 30, Richardson, TX, 75080, United States, serdar.simsek@utdallas.edu

1 - Dynamic Selling Mechanisms For Exploring Markets With Customer- And Time-heterogeneity
Meng Li, University of Massachusetts, Dartmouth, MA, United States, meng.li@umassd.edu, N. Bora Keskin

2 - Consumer Choice Models With Endogenous Network Effects
Ruxian Wang, Johns Hopkins Carey Business School, Baltimore, MD, 21202, United States, ruxian.wang@jhu.edu, Zizhuo Wang

3 - Two Echelon Distribution Systems With Random Demands And Storage Constraints The Multi-product Case
Awi Federgruen, Columbia University, af7@columbia.edu, Daniel Guetta, Garud N Iyengar

4 - An Expectation-maximization Algorithm To Estimate The Parameters Of The Markov Chain Choice Model
A Serdar Simsek, The University of Texas at Dallas, Naveen Jindal School of Management, 800 W Campbell Road, Richardson, TX, 75080, United States, serdar.simsek@utdallas.edu, Huseyin Topaloglu

■ WB37

205C-MCC

Supply Chain Structure and Sustainability

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Greys Sosic, University of Southern California, Los Angeles, CA, United States, sosic@marshall.usc.edu

Co-Chair: Hailong Cui, Marshall School of Business, University of Southern California, CA, United States, Hailong.Cui.2019@marshall.usc.edu

1 - Ensuring Corporate Social And Environmental Responsibility Through Vertical Integration And Horizontal Sourcing
Adem Orsdemir, University of California Riverside, adem.orsdemir@ucr.edu, Bin Hu, Vinayak V Deshpande

2 - Peer-to-peer Product Sharing: Implications For Ownership, Usage, And Social Welfare
Guangwen Kong, University of Minnesota, 111 Church Street, Minneapolis, MN, 55455, United States, gkong@umn.edu, Saif Benjaafar, Xiang Li

3 - Capacity Allocation For A Green Farm
Dong Li, Singapore University of Technology and Design, Singapore, Singapore, dong_li@sutd.edu.sg, Saif Benjaafar, Niyazi Taneri

4 - Design Of Public Warning System
Saed Alizamir, Yale University, saed.alizamir@yale.edu, Francis E De Vericourt, Shouqiang Wang

■ WB38

206A-MCC

Opt, Robust

Contributed Session

Chair: Alberto Costa, NUS, Singapore, Singapore, isealc@nus.edu.sg

1 - On The Sample Compexity Of Multistage Robust Convex Optimization Problems
Francesca Maggioni, Assistant Professor, University of Bergamo, Via dei Caniana n 2, Bergamo, 24127, Italy, francesca.maggioni@unibg.it, Fabrizio Dabbene, Marida Bertocchi, Roberto Tempo

2 - Conditions Under Which Adjustability Lowers The Cost Of A Robust Linear Program
SeyyedAli Haddadsisakht, Iowa State University, Ames, IA, 50011, United States, alihadad@iastate.edu, Sarah M Ryan

3 - Robust Optimization For The Transportation Problem Under Boundedly Rational User Equilibrium
Guanxiang Yun, PhD Student, University of Central Florida, 12800 Pegasus Drive, PO Box 162993, Orlando, FL, 32816, United States, ygx8822@gmail.com, Qipeng Zheng

4 - A Robust Optimization Framework For Electric Power Grid Protection
Alberto Costa, NUS, Singapore, Singapore, isealc@nus.edu.sg

■ WB39

207A-MCC

Joint Session APS/MSOM: Service Systems in Applied Probability I

Sponsored: Applied Probability/MSOM

Sponsored Session

Chair: Song-Hee Kim, USC Marshall School of Business, 3670 Trousdale Parkway, Los Angeles, CA, 90089, United States, songheek@marshall.usc.edu

1 - Optimal Appointment Schedules
Mor Armony, New York University, marmony@stern.nyu.edu, Rami Atar, Harsha Honnappa

2 - Efficient Transition To Post-acute Care
Alex Mills, Indiana University, Bloomington, IN, United States, millsaf@indiana.edu, Sean Yu, Jonathan Helm

3 - Steady-state Diffusion Approximations For Discrete-time Markov Chain In Hospital Inpatient Flow Management
Jiekun Feng, Cornell Universtiy, Ithaca, NY, United States, jf646@cornell.edu, Pengyi Shi

4 - A Queueing Model For Internal Wards
Jing Dong, Northwestern University, Evanston, IL, United States, jing.dong@northwestern.edu, Ohad Perry

■ WB40

207B-MCC

Queueing in Applied Probability I

Sponsored: Applied Probability

Sponsored Session

Chair: Harsha Honnappa, Purdue University, 315 N. Grant St., West Lafayette, IN, 47906, United States, honnappa@purdue.edu

1 - Randomized Load Balancing With General Service Distributions
Kavita Ramanan, Brown University, kavita_ramanan@brown.edu

2 - Beyond Heavy-traffic Regimes: Universal Bounds And Controls For The Single-server Queue
Itai Gurvich, Kellogg School of Management, i-gurvich@kellogg.northwestern.edu, Junfei Huang

3 - The Bravo Effect For Brownian Queues
Rob J Wang, Stanford University, robjwang@stanford.edu, Peter W Glynn

4 - Optimal Driver Routing In Crowdsourced Transportation Systems
Anton Braverman, Cornell University, Ithaca, NY, United States, ab2329@cornell.edu, J.G. Dai, Xin Liu, Lei Ying

■ WB41

207C-MCC

Stochastic Control and Quantitative Finance

Sponsored: Financial Services

Sponsored Session

Chair: Xianhua Peng, Hong Kong University of Science & Technology, Hong Kong, maxhpeng@ust.hk

1 - Leverage, Market Liquidity, And Systemic Risk
Nan Chen, Chinese University of Hong Kong, nchen@se.cuhk.edu.hk

2 - Recursive Utility With Narrow Framing: Existence And Uniqueness
Xuedong He, Chinese University of Hong Kong, xdhe@se.cuhk.edu.hk

3 - Diversification Of Portfolio Tail Risk
Qi Wu, Chinese University of Hong Kong, qwu@se.cuhk.edu.hk

4 - An Empirical Likelihood Method Of Combining Stock And Option Prices
Xianhua Peng, Hong Kong University of Science and Technology, maxhpeng@ust.hk, Steven Kou, Tony Sit, Zhiliang Ying

■ WB42

207D-MCC

RM in Practice II

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Xiaodong Yao, SAS Institute, Inc., SAS Campus Drive, Cary, NC, 27513, United States, xiaodong.yao@sas.com

1 - Single-resource Capacity Control In The Presence Of Cancellations, No-shows And Overbooking
Jason Chen, Principal Operations Research Specialist, SAS Institute, Inc., Cary, NC, 27513, United States, Jason.Chen@sas.com

2 - Evolution Of Revenue Management Systems At Intercontinental Hotels Group
Chanjoo Lee, InterContinental Hotels Group, chanjoo.Lee@ihg.com

3 - Pricing And Revenue Management Of Function Space In Hotels
Xiaodong Yao, SAS Institute, Cary, NC, 27513, United States, Xiaodong.Yao@sas.com, Altan Gulcu

■ WB43

208A-MCC

Decision Making with Incentives

Sponsored: Decision Analysis

Sponsored Session

Chair: Andrea Hupman Cadenbach, University of Missouri - St. Louis, St Louis, MO, United States, cadenbach@umsl.edu

1 - Consider The Alternatives: New Ways To Finance Early-stage Entrepreneurs
Samuel E Bodily, University of Virginia, bodilys@virginia.edu

2 - Nudging Vaccination With A No-fault Insurance
Emmanuel F Drabo, University of Southern California, Los Angeles, CA, 90089-3333, United States, drabo@usc.edu, Neeraj Sood, Joel W Hay, Jason N Doctor

3 - Operations Decisions With Target Based Incentives
Andrea Hupman Cadenbach, University of Missouri - St. Louis, cadenbach@umsl.edu

4 - Team Incentives In Multi-level Principal Agent Problems
Aditya Umesh Kulkarni, PhD Candidate, Virginia Tech, 11700 Cardinal Court, Apt E, Blacksburg, VA, 24060, United States, aditya88@vt.edu, Christian Wernz

■ WB44

208B-MCC

Behavioral Decision Analysis

Sponsored: Decision Analysis

Sponsored Session

Chair: Matthias Seifert, IE Business School, Maria de Molina 12, 5, Madrid, Spain, matthias.seifert@ie.edu

1 - Exploring The Consistency Of Higher-order Risk Preferences
Timo Heinrich, IN-EAST School, Universität Duisburg-Essen, Duisburg, Germany, timo.heinrich@ibes.uni-due.de, Alexander Haering, Thomas Mayrhofer

2 - Regime Shift Detection In The Domain Of Losses
Matthias Seifert, Associate Professor of Decision Sciences, IE Business School, Madrid, 28006, Spain, matthias.seifert@ie.edu, Sara Farooqi

4 - Risky Choice Following Near Miss Events In Sequential Tasks Under Ambiguity
Florian Federspiel, IE Business School, Madrid, Spain, fmfederspiel@faculty.ie.edu, Matthias Seifert

3 - The Reasonability Of Behavioral Assumptions Made In Complex Systems Models
Allison C Reilly, University of Michigan, Ann Arbor, MI, United States, allison.reilly@gmail.com, Seth Guikema

■ WB45

209A-MCC

Simulation for Performance of Non-Stationary Queues

Sponsored: Simulation

Sponsored Session

Chair: John Shortle, George Mason University, Fairfax, VA, United States, jshortle@gmu.edu

1 - A Performance Algorithm For Periodic Queues
Ni Ma, Columbia University, nm2692@columbia.edu, Ward Whitt

2 - Fourier Trajectory Analysis For Identifying System Congestion
Russell R Barton, Pennsylvania State University, 210 Business Building, University Park, PA, 16802, United States, rbarton@psu.edu, Xinyi Wu

3 - Staffing To Stabilize Blocking In Loss Models With Time-varying Arrival Rates
Jingtong Zhao, Columbia University, jz2477@columbia.edu, Ward Whitt

4 - Effects Of Arrival Variability on Delays at Congested Airports
John Shortle, George Mason University, jshortle@gmu.edu

■ WB46

209B-MCC

Networks and Games in Operations

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Kimon Drakopoulos, Marshall School of Business, 3670 Trousdale Pkwy, Los Angeles, CA, 90089, United States, kimondr@mit.edu

1 - Information Obfuscation In Strategic Experimentation
Kimon Drakopoulos, Massachusetts Institute of Technology, kimondr@mit.edu

2 - Coordination And Social Value Of Information In Networks
Gowtham Tangirala, Columbia Business School, 3022 Broadway, 4th Floor West, New York, NY, 10027, United States, gtangirala18@gsb.columbia.edu, Alireza Tahbaz-Salehi

3 - The Effect Of Information On Traffic Congestion
Ali Makhdoumi, Massachusetts Institute of Technology, makhdoum@mit.edu

4 - Optimal Promotion Period Of Products With Network Externality
Ningyuan Chen, HKUST, Hong Kong, Hong Kong, nc2462@columbia.edu, Saed Alizamir, Vahideh Manshadi

■ WB47

209C-MCC

Applications of RM and Pricing

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Maxime Cohen, Google NYC, 110 Bleecker Street Apt 6F, New York, NY, 10012, United States, maxccohen@gmail.com

1 - Simple Pricing Schemes For Consumers With Evolving Values
Balasubramanian Sivan, Research Scientist, Google Research, New York, NY, United States, balusivan@google.com, Shuchi Chawla, Nikhil R. Devanur, Anna Karlin

2 - Strategic And Proactive Pricing Optimization In The Airline Industry
Michael Benborhoum, British Airways, New York, NY, United States, michael.benborhoum@ba.com, Maxime Cohen

3 - Dynamic Pricing With Heterogeneous Patience Levels
Ilan Lobel, NYU Stern, ilobel@stern.nyu.edu

4 - Overcommitment In Cloud Services – Bin-packing With Chance Constraints
Maxime Cohen, NYU Stern, New York, NY, 10012, United States, maxime.cohen@stern.nyu.edu, Phil Keller, Vahab Mirrokni, Morteza Zadimoghaddam

■ WB48

210-MCC

Business Applications in Social Media Analytics

Invited: Social Media Analytics

Invited Session

Chair: Michel Ballings, University of Tennessee, 255 Stokely Management Center, Knoxville, TN, 37996, United States, michel.ballings@utk.edu

1 - Identifying New Product Ideas: Waiting For The Wisdom Of The Crowd Or Screening Them In Real-time
Steven Hoornaert, Ghent University, Ghent, Belgium, steven.hoornaert@ugent.be, Michel Ballings, Edward C Malthouse, Dirk Van den Poel

2 - Evaluating The Importance Of Different Communication Types In Tie Strength Prediction On Social Media
Matthias Bogaert, Ghent University, matthias.bogaert@ugent.be, Michel Ballings, Dirk Van den Poel

3 - Evaluating Prediction Models For Targeting Product Reviewers
Michel Ballings, Assistant Professor, University of Tennessee, 249 Stokely Management Center, Knoxville, TN, 37996, United States, michel.ballings@utk.edu, Rachel Van Deventer, Ryan Erwin, Miller Moore, Dirk Van den Poel

4 - Behavioral Engagement In Social Media: Measurement, Drivers And Impact On Purchase Behavior
Welf H. Weiger, University of Goettingen, Platz der Goettinger Sieben 3, Goettingen, D-37073, Germany, welf.weiger@wiwi.uni-goettingen.de, Wendy W Moe, Hauke A Wetzel, Maik Hammerschmidt

■ WB49

211-MCC

Panel: Publishing in INFORMS Transactions on Education

Sponsored: Education (INFORMED)

Sponsored Session

Moderator: Jeroen Belien, KU Leuven, Brussel, Belgium, jeroen.belien@kuleuven.be

1 - Informs Transactions On Education (ITE): A General Overview
Jeroen Belien, KU Leuven, jeroen.belien@kuleuven.be

2 - Panelist:
Stefan Creemers, IESEG School of Management Lille, s.creemers@ieseg.fr

3 - Panelist:
Vera Tilson, University of Rochester, vera.tilson@Simon.Rochester.edu

4 - Panelist:
Maureen Lojo, California State University, lojom@skymail.csus.edu

■ WB50

212-MCC

SpORts: Sports Analytics IV

Sponsored: SpORts

Sponsored Session

Chair: Sean Barnes, Univ of Maryland-College Park, Robert H. Smith School of Business, College Park, MD, 20742, United States, sbarnes@rhsmith.umd.edu

Co-Chair: Margret Bjarnadottir, University of Maryland, College Park, College Park, MD, 2, United States, margret@rhsmith.umd.edu

1 - A Predictive Modeling And Robust Optimization Framework For Prioritizing Major League Baseball Free Agent Acquisitions
Margrét Bjarnadóttir, Univ of Maryland-College Park, College Park, MD, United States, margret@rhsmith.umd.edu, Sean Barnes, Aurelie Thiele

2 - An Optimization-based Approach For The National Football League Tiebreaking Procedure
Matias Siebert, Georgia Institute of Technology, Atlanta, GA, United States, msiebert6@gatech.edu, George L Nemhauser, Joel Sokol

3 - Sporting: A Large Applied Research Project In Sport Scheduling
Tomas Nordlander, SINTEF ICT, Trondheim, Norway, Tomas.Nordlander@sintef.no

4 - Automating The Scheduling Of A Softball League
Kent J Kostuk, Federated Co-Operatives Limited, kent.kostuk@usask.ca, Keith Willoughby

■ WB51

213-MCC

Education I

Contributed Session

Chair: Jay Parsons, Associate Professor, University of Nebraska - Lincoln, 103B Filley Hall, P.O. Box 830922, Lincoln, NE, 68583-0922, United States, jparsons4@unl.edu

1 - A Holistic Conceptual Framework For Assessing The Effectiveness And Viability Of an Academic Program
munir majdalawieh, Associate Professor, zayed university, Mirdif, Dubai, 19282, United Arab Emirates, munir@themajd.com

2 - Experience With A New Online Game To Teach Sourcing In A Supply Chain Management Course
Samuel C Wood, President, Responsive Learning Techologies, 4546 El Camino Real, #243, Los Altos, CA, 94022, United States, wood@responsive.net, Mozart Batista de Castro Menezes

3 - A Closer Look At Underrepresented Women In Engineering: A Classroom Study Exploring The Effects Of Anonymity On Student Peer Reviewers
Jacqueline Ng, PhD Candidate, Northwestern University, 2145 Sheridan Road, C-230, Evanston, IL, 60208, United States, jacqueline.ng@northwestern.edu, Bruce Ankenman, Seyed Iravani

4 - Simple Tools To Help Agricultural Decision Makers Think About Risk
Jay Parsons, Associate Professor, University of Nebraska - Lincoln, 103B Filley Hall, P.O. Box 830922, Lincoln, NE, 68583-0922, United States, jparsons4@unl.edu, Jim Jansen

■ WB52

214-MCC

New Advances in Operating Room (OR) Scheduling

Sponsored: Public Sector OR

Sponsored Session

Chair: Gino J Lim, University of Houston, E206 Engineering Building 2, Houston, TX, 77204, United States, ginolim@uh.edu

1 - Integrated Anesthesiologist And Room Scheduling For Surgeries
Sandeep Rath, UCLA Anderson School of Management, Sandeep.Rath.1@anderson.ucla.edu, Kumar Rajaram

2 - A Discrete Event Simulation Evaluation Of Distributed Operating Room Scheduling
Vahid Roshanaei, PhD Candidate, University of Toronto, 5 King's College Road, Toronto, ON, M5S3G8, Canada, vroshana@mie.utoronto.ca, Shuo Wang, Dionne Aleman, David Urbach

3 - Scheduling Of Multi-priority Patients With Preference, Cancellation, No Show And Capacity Uncertainty
Deepak Agrawal, Penn State University, dua143@psu.edu, Guodong Pang, Priyantha Devapriya, Soundar Kumara

4 - A Lagrangian Relaxation Algorithm For Solving Surgery Scheduling Problem Under Uncertain Durations
Amirhossein Najjarbashi, University of Houston, amirhossein.najjarbashi@gmail.com, Gino J Lim

■ WB53

Music Row 1- Omni

Opt, Stochastic VI

Contributed Session

Chair: Tugce Isik, Clemson University, 277D Freeman Hall, Dept. of Industrial Engineering, Clemson, SC, 29634, United States, tisik@clemson.edu

1 - Valuing A Portfolio Of Systemic Urban Infrastructure Investments Using Approximate Dynamic Programming With Decision Dependent Uncertainties
Sebastian Maier, Imperial College London, Imperial College Road, Skempton Building, London, SW7 2AZ, United Kingdom, s.maier13@imperial.ac.uk, John W Polak, David M Gann

2 - A Stochastic Program For Debris Collection Problem
Derya Ipek Eroglu, Research and Teaching Assistant, Middle East Technical University, Dumlupinar Street N:1, Ankara, 06400, Turkey, eipek@metu.edu.tr, Duygu Pamukcu

3 - Management Of Scarce Blood Supplies Accounting For Cross-matching Characteristics
Nooshin Valibeig, Northeastern University, 360 Huntington Ave, Boston, MA, 02115, United States, n.valibeig@neu.edu, Jacqueline Griffin

4 - Multistage Power Generation Capacity Expansion Models With Different Risk Measures
Shu Tu, lehigh university, 200 West Packer Avenue, Bethlehem, PA, 18015, United States, sht213@lehigh.edu, Boris Defourny

5 - Control Policies For Queueing Systems With Time Sensitive Jobs
Tugce Isik, Clemson University, 277D Freeman Hall, Dept. of Industrial Engineering, Clemson, SC, 29634, United States, tisik@clemson.edu, Bahar Cavdar

■ WB54

Music Row 2- Omni

Service Science: Uncertainty in Business Processes

Sponsored: Service Science

Sponsored Session

Chair: Genady Grabarnik, St. John's University, St. John's University, Queens, NY, United States, genadyg@gmail.com

1 - Continuity Of The Lyapunov Exponenets Under Continuity Of Measures In Sl (2, R)
Genady Grabarnik, St. John's University, genadyg@gmail.com

2 - IT Processes Improvement
Larisa Shwartz, IBM, lshwart@us.ibm.com

■ WB55

Music Row 3- Omni

Inventory Management VIII

Contributed Session

Chair: Yue Zhang, Duke University, 5507 Butterfly Ln Apt 207, Durham, NC, 27707, United States, yueyue.zhang@duke.edu

1 - Deep Learning For Newsvendors
Afshin Oroojlooyjadid, Lehigh University, 200 West Packer Ave, Bethlehem, PA, 18015, United States, afo214@lehigh.edu, Martin Taká , Lawrence Snyder

2 - Inventory Repositioning In Product Sharing Networks
Xiang Li, University of Minnesota, 2508 Delaware St SE, Apt 473A, Minneapolis, MN, 55414, United States, lixx1315@umn.edu, Saif Benjaafar, Xiaobo Li

3 - Dynamic Inventory And Price Control In The Face Of Unknown Demand
Tingting Zhou, Rutgers university, Newark, NJ, 07102, United States, tingzhou@rutgers.edu, Michael N Katehakis, Jian Yang

4 - Approximating Optimal Inventory Policies For Assemble To Order Manufacturing Systems
Levi DeValve, Duke University, 716 Turmeric Lane, Durham, NC, 27713, United States, levi.devalve@duke.edu, Yehua Wei, Sasa Pekec

5 - Serial Inventory Systems With Markov-modulated Demand: Derivative Bounds, Asymptotic Analysis, And Insights
Yue Zhang, Duke University, 5507 Butterfly Ln Apt 207, Durham, NC, 27707, United States, yueyue.zhang@duke.edu, Li Chen, Jing-Sheng Jeannette Song

■ WB56

Music Row 4- Omni

Predictive Analytics in eBusiness

Sponsored: EBusiness

Sponsored Session

Chair: Ajit Sharma, Carnegie Mellon University, 5000 Forbes Ave, Pittsburgh, PA, 15213, United States, ajits1@andrew.cmu.edu

1 - Online Assortment Optimization at Scale
Deeksha Sinha, MIT ORC, deeksha@mit.edu, Theja Tulabandhula

2 - Crowd-driven Competitive Intelligence: Understanding The Relationship Between Local Market Structure And Online Rating Distribution.
Dominik Gutt, Paderborn University, Dominik.gutt@upb.de, Philipp Herrmann, Mohammad Saifur Rahman

3 - Networks And Income: Evidence From Individually Matched Income And Mobile Phone Metadata
Guillaume Saint-Jacques, MIT Sloan School Of Management, Cambridge, MA, 02142, United States, gsaintja@mit.edu, Eaman Jahani, Pål Roe Sundsøy, Johannes Bjelland, Bjørn-Atle Reme, Sinan Aral, Alex "Sandy" Pentland

■ WB57

Music Row 5- Omni

Behavioral Aspects of Managing Innovation

Sponsored: Behavioral Operations Management

Sponsored Session

Chair: Evgeny Kagan, Ann Arbor, MI, United States, ekagan@umich.edu

Co-Chair: Stephen Leider, University of Michigan, Ann Arbor, MI, United States, leider@umich.edu

1 - When To Hire The First Employee? Behavioral Evidence And Insights
Anton Ovchinnikov, Queens University, Kingston, ON, Canada, anton.ovchinnikov@queensu.ca, Beatrice Boulu-Reshef, Charles J Corbett

2 - Managing The Dynamics Of Delegated Search
Karthik Ramachandran, Scheller College of Business, Georgia Institute of Technology, karthik.ramachandran@scheller.gatech.edu, Morvarid Rahmani

3 - Incentives In Startups: Form And Timing Of Equity Contracting
Evgeny Kagan, Ross School of Business, University of Michigan, ekagan@umich.edu, William S Lovejoy, Stephen Leider

4 - An Experimental Investigation Of Favour Exchange Under Monetary And Non-monetary Incentives
Kyle Hyndman, Naveen Jindal School of Management, UT Dallas, Richardson, TX, United States, KyleB.Hyndman@utdallas.edu, Matthew Embrey, Rudolf Muller

■ WB58

Music Row 6- Omni

Energy XIII

Contributed Session

Chair: Mohammad Majidi-Qadikolai, Graduate Research Assistant, University of Texas-Austin, 3373 Lake Austin Boulevard, Apt D, Austin, TX, 78703, United States, majidi.mohammad@gmail.com

1 - A Hybrid Top-down, Bottom-up Approach For Saudi Arabia
Hossa Almutairi, King Abdullah Petroleum Studies & Research Center (KAPSARC), King Abdullah Petroleum Studies & Research Ce, Airport Road, Riyadh, 11672, Saudi Arabia, hossa.mutairi@kapsarc.org

2 - A Convex Relaxation Approach To Strategic Bidding In Nodal Electricity Markets
Hamed Mohsenian-Rad, Associate Professor, University of California - Riverside, 900 University Ave, Department of Electrical Engineering, Riverside, CA, 92521, United States, hamed@ee.ucr.edu, Mahdi Ghamkhari, Ashkan Sadeghi

3 - Optimization In Smart Grid With Limited System Observability
Sunil K Vuppala, INFOSYS/IIITB, 309, Elil Abode, Mahadevapura, Outer Ring Road, Bangalore, 560048, India, sunil.vuppala@iiitb.ac.in, Srinivasa Prasanna

4 - Handling Dynamic Constraints In Power System Optimization
Francois Gilbert, Postdoctoral Appointee, Argonne National Laboratory, 9700 S. Cass Avenue, Lemont, IL, 60439, United States, fgilbert@anl.gov, Shrirang G Abhyankar, Hong Zhang, Mihai Anitescu

5 - Integrating Short-term And Long-term Transmission Expansion Planning
Mohammad Majidi-Qadikolai, Graduate Research Assistant, University of Texas-Austin, 3373 Lake Austin Boulevard, Apt D, Austin, TX, 78703, United States, majidi.mohammad@gmail.com, Ross Baldick

■ WB59

Cumberland 1- Omni

Drone-Based Logistics

Sponsored: TSL, Facility Logistics

Sponsored Session

Chair: Sudipta Chowdhury, Mississippi State Univ, MSU, Starkville, MS, 39762, United States, sc2603@msstate.edu

Co-Chair: Mohammad Marufuzzaman, Mississippi State University, PO Box 9542, Starkville, MS, 39762, United States, marufuzz@dasi.msstate.edu

1 - Drone Routing And Optimization For Wildlife Surveillance
Adindu Emelogu, PhD Student, Mississippi State University, 260 McCain Engineering Building, Mississippi State, MS, 39762, United States, aae39@msstate.edu, Sudipta Chowdhury, Mohammad Marufuzzaman, Linkan Bian, Brian Smith

2 - Efficient And Reliable Package Delivery Path Planning For Drones
Mohannad Kabli, Mississippi State University, mrk297@msstate.edu, Sudipta Chowdhury, Mohammad Marufuzzaman

3 - A Continuum-approximation Approach To Optimize Routing Decisions For Drones Under Extreme Events
Sudipta Chowdhury, Mississippi State University, sc2603@msstate.edu, Adindu Emelogu, Mohammad Marufuzzaman, Linkan Bian

■ WB60

Cumberland 2- Omni

Routing Optimization Problems

Sponsored: TSL, Freight Transportation & Logistics

Sponsored Session

Chair: Ahmed Ghoniem, Associate Professor, University of Massachusetts Amherst, 121 Presidents Dr., Amherst, MA, 01002, United States, aghoniem@isenberg.umass.edu

1 - A Branch-and-cut-and-price Algorithm For The Generalized Vehicle Routing Problem
Mohammad Reihaneh, University of Massachusetts Amherst, Amherst, MA, 01002, United States, mreihaneh@som.umass.edu, Ahmed Ghoniem

2 - A Two-level Optimization Approach For Robust Aircraft Routing And Retiming
Mohamed Haouari, Qatar University, mohamed.haouari@qu.edu.qa

3 - Resource Constrained Arc Routing For Snow Plowing
Joris Kinable, Carnegie Mellon University, Pittsburgh, PA, United States, jkinable@cs.cmu.edu, Willem-Jan Van Hoeve, Stephen F Smith

4 - Vehicle Routing Problems With Drone Delivery
Ahmed Ghoniem, University of Massachusetts Amherst, aghoniem@isenberg.umass.edu, Mohamed Haouari, Mohammad Reihaneh

■ WB61

Cumberland 3- Omni

Railway Analytics

Sponsored: Railway Applications

Sponsored Session

Chair: Qing He, SUNY Buffalo, Buffalo, NY, United States, qinghe@buffalo.edu

1 - Estimating The Probability And Impact Of Track Defects In Railroad Operations And Maintenance Planning
Alexander Lovett, University of Illinois at Urbana-Champaign, alovett2@illinois.edu

2 - Predictive Switch Health
Casey Jen, CSX, Jacksonville, FL, United States, Casey_jen@csx.com, Bob Gutman, Aihong Wen

3 - Data-driven Optimization Of Railway Track Inspection And Maintenance Using Markov Decision Process
Qing He, University at Buffalo, SUNY, Buffalo, NY, United States, qinghe@buffalo.edu, Siddhartha Sharma, Yu Cui, Zhiguo Li

■ WB62

Cumberland 4- Omni

Aviation Economics Decision-making

Sponsored: Aviation Applications

Sponsored Session

Chair: Ricard Gil, Johns Hopkins Carey Business School, 100 International Drive, Baltimore, MD, 21202, United States, ricard.gil@jhu.edu

1 - A Profit Maximizing Integrated Model Of Fleet Assignment And Aircraft Routing With Considerations Of Flight Schedule Disturbances
Muhammed Sutcu, Assistant Professor, Abdullah Gul University, Sumer Campus, Erkilet Bulvari, Kayseri, 38060, Turkey, muhammed.sutcu@agu.edu.tr, Baris Yildiz, Yeliz Yoldas

2 - Prescriptive Analytics In Airline Operations: Cost Index Optimization Through Improved Arrival Time Prediction
Anna Achenbach, PhD Candidate & Research Assistant, WHU - Otto Beisheim School of Management, Burgplatz 2, Vallendar, 56179, Germany, anna.achenbach@whu.edu

3 - Adaptation And Relational Contracting In The US Airline Industry
Ricard Gil, Johns Hopkins Carey Business School, 100 International Drive, Baltimore, MD, 21202, United States, ricard.gil@jhu.edu, Myongjin Kim, Giorgio Zanarone

■ WB63

Cumberland 5- Omni

Location Models in Humanitarian Logistics

Sponsored: Location Analysis

Sponsored Session

Chair: Kayse Lee Maass, University of Michigan, 1205 Beal Avenue, Ann Arbor, MI, 48109-2117, United States, Leekayse@umich.edu

1 - Emergency Shelter Location Analysis And Logistics For Hurricane Preparedness
Nicholas E. Lownes, University of Connecticut, nlownes@engr.uconn.edu

2 - Perishable Commodity Allocation In Humanitarian Supply Chains With Multiple Demand Types
Melih Celik, Middle East Technical University, cmelih@metu.edu.tr, Ozlem Ergun, Julie L Swann

3 - Time-variant Adaptive Robust Optimization For Hurricane Preparedness
Xinfang Wang, Georgia Southern University, Statesboro, GA, 30460, United States, xfwang@georgiasouthern.edu, Jomon A Paul

■ WB64

Cumberland 6- Omni

Representations and Approximations in Multiobjective Optimization

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Serpil Sayin, Koc University, Istanbul, Turkey, ssayin@ku.edu.tr

1 - On Measures Of Quality For Representations And Approximations
Serpil Sayin, Koc University, ssayin@ku.edu.tr

2 - On The Existence Of Ideal Solutions In Multi-objective Binary Programming And Its Applications: Preprocessing, Valid Inequalities, And Probing
Hadi Charkhgard, University of South Florida, Tampa, FL, United States, hadi.charkhgard@gmail.com, Natashia Boland, Martin Savelsbergh

3 - A Novel Multi-criteria Optimization Method For Volumetric Modulated Arc Therapy (vmat) Treatment Planning
Gokhan Kirlik, University of Maryland School of Medicine, Baltimore, MD, 21201, United States, gokhankirlik@umm.edu, Warren D. D'Souza, Hao Howard Zhang

■ WB65

Mockingbird 1- Omni

Digital Innovation & Analytics

Sponsored: Information Systems

Sponsored Session

Chair: Eun Ju Jung, George Mason University, George Mason University, Fairfax, VA, 22030, United States, ejung6@gmu.edu

1 - Promotion Strategy, Operating Mechanism, And Economic Value Of Digital Platform For Consulting Services: A Two-sided Market Perspective
Tae Hun Kim, Michigan State University, East Lansing, MI, United States, thkim@broad.msu.edu, Kyung Ho Song, Daegon Cho

2 - Justification And Justice Matter: Organizational Attention To Ideas On Digital Innovation Platforms
Inchan Kim, University of New Hampshire, Durham, NH, United States, i.kim@unh.edu, John Qi Dong

3 - Domain Specific Lexicon For Clinical Trial Subject Eligibility Analysis
Euisung Jung, University of Toledo, Euisung.Jung@utoledo.edu

■ WB66

Mockingbird 2- Omni

Graph Analytics for Complex Systems - II

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Hoang Tran, Texas A&M University, Address, College Station, TX, United States, tran@tamu.edu

Co-Chair: Satish Bukkapatnam, Texas A&M University, College Station, College Station, TX, United States, satish@tamu.edu

1 - Generalized Graph Shortest Path For Calibration Of Computer Simulations.
Babak Farmanesh, Oklahoma State University, farmane@ostatemail.okstate.edu

2 - Spectral Graph Theoretic Sensor Fusion
Prahalad Rao, Binghamton University, prao@binghamton.edu

3 - Learning Data Association Graph
Chiwoo Park, Florida State University, 2525 Pottsdamer St., Tallahassee, FL, 32310, United States, cpark5@fsu.edu, Taylor J. Woehl, James E. Evans, Nigel Browning

4 - Measuring Redundancy Of State Estimators In Large Networks By Combining L1-minimziation And Integer Programming
Vishnu Vijayaraghavan, Texas A&M University, College Station, TX, 77843, United States, vishnunitr@tamu.edu, Kiavash Kianfar, Yu Ding, Hamid Parsaei

■ WB67

Mockingbird 3- Omni

Joint Session QSR/DM: Process Monitoring for Diverse Types of Data

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Youngseon Jeong, Annandale, VA, United States, youngseonjeong@gmail.com

Co-Chair: Myong K Jeong, Rutgers University, Piscataway, NJ, United States, mjeong@rci.rutgers.edu

1 - Bayesian Based Distribution Free Procedure For Fault Identification
Mehmet Turkoz, Rutgers University, 16 Rachel Terrace, Piscataway, NJ, 08854, United States, turkoz@scarletmail.rutgers.edu, Sangahn Kim, Youngseon Jeong, Myong K Jeong, Elsayed A. Elsayed, A.M.S. Hamouda, Khalifa Al-Khalifa

2 - Modeling And Shape Control Of Large Composite Components For Section-to-fuselage Joints
Yuchen Wen, Gatech, ycwen@gatech.edu

3 - Process Tracking And Monitoring Based On Discrete Jumping Model
Chao Wang, University of Wisconsin-Madison, Madison, WI, United States, cwang436@wisc.edu, Shiyu Zhou

4 - A New Bayesian Classification Model For Uncertain Data
Young-Seon Jeong, Chonnam National University, Gwangju, Korea, Republic of, youngseonjeong@gmail.com, Byunghoon Kim, Myong K Jeong, Jeongsub Choi, Soonmok Kwon, Jihoon Kang

■ WB68

Mockingbird 4- Omni

Spatiotemporal Data based Quality Control Methods in Manufacturing

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Mohammed Saeed Shafae, Virginia Tech, 112 Durham Hall, 1145 Perry Street, Blacksburg, VA, 24061, United States, shafae1@vt.edu

Co-Chair: Lee Wells, Assistant Professor, Western Michigan University, E-208 Floyd Hall, 1903 W Michigan Ave, Kalamazoo, MI, 49008, United States, lee.wells@wmich.edu

1 - Spatial Discrete Model For Clustered Defects On Wafer Maps
Hao Wang, Tsinghua University, w-h14@mails.tsinghua.edu.cn

2 - Spatial Models In Metal Additive Manufacturing
Bianca Maria Colosimo, Politecnico di Milano, Milano, Italy, biancamaria.colosimo@polimi.it, Marco Grasso

4 - Reduced-dimension Mcusum Chart For Spatio-temporal Surveillance
Junzhuo Chen, Georgia Institute of Technology, Atlanta, GA, United States, jz.chen@gatech.edu, Seong-Hee Kim, Yao Xie

■ WB69

Old Hickory- Omni

Network Design and Optimization

Sponsored: Telecommunications

Sponsored Session

Chair: Richard Li-Yang Chen, Sandia National Laboratories, 7011 East Ave, Livermore, CA, 94550, United States, rlchen@sandia.gov

2 - Modulation Design For MIMO HARQ Channel
Hans Mittelmann, Arizona State University, mittelma@asu.edu, Wenhao Wu, Zhi Ding

3 - A Robust Optimization Approach For Network Interdiction
Amelia Musselman, Georgia Institute of Technology, Atlanta, GA, United States, amusselman@gatech.edu, Richard Li-Yang Chen, Janson Wu

■ WB70

Acoustic- Omni

Transportation, Ops II

Contributed Session

Chair: Antoine Petit, U of Illinois at Urbana-Champaign, 205 N Mathews Avenue, # B156, Urbana, IL, 61801, United States, apetit@illinois.edu

1 - Travel Time Estimation Based On Complex Networks Within A DTA Framework
Rui Chen, Tsinghua University, Shunde building of Tsinghua University, Beijing, China, chenruiest@163.com, Satish Ukkusuri

2 - System Optimal Traffic Signal Control Under Dynamic User Equilibrium
Rui Ma, Postdoc Scholar, University of California, Davis, 1001 Ghausi Hall, One, Davis, CA, 95616, United States, drma@ucdavis.edu, Hao Yu, Michael Zhang

3 - Managing The Daily Operations Of A Bike Sharing System Using Portable Stations
Rahul Swamy, PhD Student, University of Illinois Urbana-Champaign, Champaign, IL, 61820, United States, rahulswa@illinois.com, Jose Luis Walteros

4 - The Impact Of Demand Uncertainty On Subsidy Design In BOT Road Projects
Zhuo Feng, Dalian University of Technology, No. 2 Linggong Road, Dalian, 116024, China, zhfeng@dlut.edu.cn, Yiwen Zhang

5 - An Optimized Insertion Method To Prevent Bus Bunching: Simulation And Comparisons
Antoine Petit, U of Illinois at Urbana-Champaign, 205 N Mathews Avenue, # B156, Urbana, IL, 61801, United States, apetit@illinois.edu, Yanfeng Ouyang

■ WB71

Electric- Omni

Game Theory II

Contributed Session

Chair: Meilin He, University at Buffalo, SUNY, 4291 Chestnut Ridge Rd. Apt 5, Buffalo, NY, 14228, United States, meilinhe@buffalo.edu

1 - Cooperative Game Theory Applied To Clusters Competitive Value
Dionicio Neira, Universidad de la Costa, CUC, Barranquilla, Colombia, dneira1@cuc.edu.co, Daniela Carolina Landinez, Diana Gineth Ramirez-Ríos, Luis Eduardo Ramirez

2 - An Evolutionary Stochastic Multi Agent Game To Forecast The Procurement Of Food Grains From Farmers In a Public Distribution System
Sankaranarayanan G, Research Scholar, IIT-Kharagpur, B-121 Sir Acharya Jagadish Chandra Bose, IIT-Kharagpur Campus, Midnapore, 721302, India, samhara23@gmail.com, Sri Krishna Kumar, Manoj Kumar Tiwari

3 - Regret-optimal Strategies For Playing Repeated Games With Discounted Losses
Vijay Kamble, Stanford University, Stanford, CA, United States, vijaykamble.iitkgp@gmail.com

4 - An Attacker-defender Resource Allocation Game With Complementary Or Substituting Effects
Meilin He, University at Buffalo, SUNY, 4291 Chestnut Ridge Rd. Apt 5, Buffalo, NY, 14228, United States, meilinhe@buffalo.edu, Jun Zhuang

■ WB72

Bass- Omni

Supply Chain Mgt XIV

Contributed Session

1 - The Effect Of Store-Induced Returns on Warehouse Store Supply Chain
Hao-Wei Chen, San Jose State University, San Jose, CA, 95125, United States, hao-wei.chen@sjsu.edu, Wen-Ya Wang

2 - The Impact Of 3D Printing On Spare Parts Management
Jakob Heinen, PhD Candidate, Kühne Logistics University, Großer Grasbrook 17, Hamburg, 20457, Germany, johannes.jakob.heinen@the-klu.org, Kai Hoberg

3 - Outsourcing With Learning-by-doing: The Case Of Two Oems
Min Wang, Drexel University, 3220 Market Street, Philadelphia, PA, 19104, United States, mw638@drexel.edu, Wenjing Shen

4 - Robust Optimization Of The Beer Distribution Game Incorporating Uncertainties In Forecasted Customer Demand
Adarsh Elango, Application Engineer, ESTECO North America, 39555 Orchard Hill Place, Suite 457, Novi, MI, 48375, United States, elango@esteco.com, Saket Kansara, Zhendan Xue

■ WB73

Legends A- Omni

Operations Management VI

Contributed Session

Chair: Xiaochun Feng, Dalian University of Technology, No.2 Linggong Road, Ganjingzi District, Dalian, 116024, China, fxc11011@126.com

1 - Coauthor Network Analysis Of Operations Management Journals
Bonie(He) Zhang, PhD Candidate, Rutgers University, 1 Washington Park, # 196 Mailbox, Newark, NJ, 07102, United States, boniezhang331@gmail.com, Yao Zhao

2 - Hybrid Flow Shop Scheduling Problem With Parallel Lines
Arshad Ali, PhD Student, University of Manitoba, Winnipeg, MB, Canada, alia@myumanitoba.ca, Yuvraj Gajpal, Tarek Y. El Mekkawy

3 - A Three-stage Intelligent Solution Approach To Order Picking Scheme For Vegetables Under B2c Direct Sale In China
Xiaochun Feng, Dalian University of Technology, No.2 Linggong Road, Ganjingzi District, Dalian, 116024, China, fxc11011@126.com, Xiangpei Hu

■ WB74

Legends B- Omni

Ops Mgt/Marketing II

Contributed Session

Chair: Jiahua Wu, Imperial College Business School, Office 382, Tanaka Building, Imperial College London, London, SW7 2AZ, United Kingdom, j.wu@imperial.ac.uk

1 - Selective Newsvendor Problem With Dependent Lead Time And Marketing Decisions
Jianing Zhi, Penn State Erie The Behrend College, Eire, PA, 16509, United States, jzz5296@psu.edu, Burcu B Keskin

2 - The Impact Of Consumer Quality Target On Product Line Design
Lucy Gongtao Chen, National University of Singapore, NUS Business School, Biz 1 Mochtar Riady Building, #8-60, Singapore, 119245, Singapore, bizcg@nus.edu.sg, Qingshan Kong

3 - Big Data vs Small Data: Consumer Profiling With Data Requirements
Jiahua Wu, Imperial College Business School, Office 382, Tanaka Building, Imperial College London, London, SW7 2AZ, United Kingdom, j.wu@imperial.ac.uk, Tommaso Valletti

■ WB75

Legends C- Omni

Economics II

Contributed Session

Chair: Lorena Alexandra Berumen, Universidad Panamericana, Augusto Rodin 498, Ciudad de Mexico, Mexico, laberumen@up.edu.mx

1 - information Aggregation In Markets With Heterogenous Traders
Yaarit Even, Columbia Business School, 601 W 113th Street, Apt 2k, New York, NY, 10025, United States, yeven18@gsb.columbia.edu, Alireza Tahbaz-Salehi

2 - Is The Chinese Macro Financial System More Resistant To Outside Shocks
Yunfei Cao, Beijing Institute of Technology, Beijing, China, caoyunfei1986@163.com, Youzong Xu, Yi Zhang

3 - Foreign Direct Investment In Mexico: A Spatial Approach
Lorena Alexandra Berumen, Universidad Panamericana, Augusto Rodin 498, Ciudad de Mexico, Mexico, laberumen@up.edu.mx, Roldán Andrés-Rosales, Margarita Hurtado

■ WB76

Legends D- Omni

Applied Probability II

Contributed Session

Chair: Amod Basnet, University of North Carolina-Charlotte, 9201 University City Blvd, Fretwell, Charlotte, NC, 28262, United States, abasnet@uncc.edu

1 - Optimal Capacity Management With Limited Buffer
Melda Ormeci Matoglu, University of New Hampshire, University of New Hampshire, 10, Durham, NH, 03824, United States, melda.ormecimatoglu@unh.edu

2 - Efficient Markov Chain Decomposition Algorithm Based On The Total Expectation Theorem
Katsunobu Sasanuma, Assistant Professor, Stony Brook University, Stony Brook, NY, 11794, United States, katsunobu.sasanuma@stonybrook.edu, Stephen Roehrig, Robert Hampshire, Alan Scheller-Wolf

3 - How The Swine Flu Epidemic Spread: Lessons From The Data
Jussi Keppo, National University of Singapore, Mochtar Riady Building, BIZ 1 8-69, 15 Kent Ridge Drive, Singapore, 119245, Singapore, keppo@nus.edu.sg, Elena Quercioli, Lones Smith

4 - An Unbiased Measure Of Integrated Volatility In The Frequency Domain
Fangfang Wang, University of Illinois at Chicago, 601 South Morgan Street, Chicago, IL, 60607, United States, ffwang@uic.edu

5 - A Parallel Computation Of Characteristics Of Markov Chains With "Islands" And "Ports"
Amod Basnet, University of North Carolina-Charlotte, 9201 University City Blvd, Fretwell, Charlotte, NC, 28262, United States, abasnet@uncc.edu, Isaac M Sonin

■ WB77

Legends E- Omni

Opt, Integer Programing VI

Contributed Session

Chair: Andrea L. Arias, Graduate Student, Texas Tech University, 4425 82nd Street, Apt 2258, Lubbock, TX, 79424, United States, andrea.arias@ttu.edu

1 - A Branch And Price Approach For Deployment Of Multi-tier Software Services In Clouds
Bjorn Nygreen, Retired, Dept. of Ind. Econ. & Techn. Management, NTNU, Trondheim, NO 7491, Norway, bjorn.nygreen@iot.ntnu.no, Anders Nordby Gullhav

2 - Project Scheduling And Multi-skill Workforce Assignment For Property Management Applications
Anthony Vatterott, Assistant, University of Missouri Saint Louis, 1 University Boulevard, Saint Louis, MO, 63121, United States, anthonygvatterott@gmail.com, Haitao Li, Norman Keith Womer

3 - Optimal Selection Of Parsimonious Arima Forecasting Models
George G Polak, Professor, Wright State University, 227 Rike Hall, Raj Soin College of Business, Dayton, OH, 45435, United States, george.polak@wright.edu, Bogdan C Bichescu

4 - A Comparative Analysis Of MILP Formulations For The Multi-family Capacitated Lot-sizing Problem (MFCISP)
Andrea L. Arias, Graduate Student, Texas Tech University, 4425 82nd Street, Apt 2258, Lubbock, TX, 79424, United States, andrea.arias@ttu.edu, Andrea L. Arias, Graduate Student, P. Universidad Católica de Valparaíso, Valparaíso, Chile, andrea.arias@ttu.edu, Ricardo A. Gatica

■ WB78

Legends F- Omni

Opt, Metaheuristics II

Contributed Session

Chair: Clara Novoa, Associate Professor, Texas State University, 601 University Dr, San Marcos, TX, 78666, United States, cn17@txstate.edu

1 - Information Supply Chain Optimization With Bandwidth Limitations
Michael Hirsch, ISEA TEK, LLC, 3283 Hickory Lane, Longwood, FL, 32779, United States, mhirsch@iseatek.com, Hector Juan Ortiz-Pena

2 - An Intelligent Production Control System For Automotive Parts Manufacturing With A CPS Approach
Jun Kim, Sungkyunkwan University, Suwon, Korea, Republic of, tomatoes10@skku.edu, Hyun Jung Kim

3 - An Efficient Heuristic For The Capacitated Lot Sizing Problem With Setup Carryover And Splitting
Srimathy Mohan, Associate Professor, Arizona State University, Department of Supply Chain Management, W.P. Carey School Of Management, Phoenix, AZ, 85069-7100, United States, srimathy@asu.edu, Cheng-Lung Chen, Muhong Zhang

4 - Biased Randomization: Heuristics In Transportation, Logistics, And Production
Alex Grasas, EADA Business School, C/ Arago 204, Barcelona, 08011, Spain, agrasas@eada.edu, Angel A Juan, Javier Faulin, Jesica De Armas, Helena Ramalhinho

5 - A Parallel Dynamic Programming Solution For The Dynamic Facility Layout Problem
Clara Novoa, Associate Professor, Texas State University, 601 University Dr, San Marcos, TX, 78666, United States, cn17@txstate.edu, Apan Qasem, Chandra Kolla

■ WB79

Legends G- Omni

Opt, Convex

Contributed Session

Chair: Churlzu Lim, Associate Professor, University of North Carolina at Charlotte, Systems Engineering & Engineering Management, 9201 University City Boulevard, Charlotte, NC, 28223, United States, clim2@uncc.edu

1 - A Fast Socp-based Method For Optimal Selection Problem In Tree Breeding
Makoto Yamashita, Associate Professor, Tokyo Institute of Technology, W8-29 2-12-1 Oh-Okayama, Meguro, Tokyo, 152-8552, Japan, makoto.yamashita@c.titech.ac.jp, Tim J Mullin, Sena Safarina

2 - Shape Constrained Data Smoothing With Penalized Splines
Yu Xia, Professor, Lakehead University, Business Administration, 955 Oliver Rd, Thunder Bay, ON, P7B 5E1, Canada, yxia@lakeheadu.ca, Farid Alizadeh

3 - On The Convexity Of Optimal Decentralized Control Problem And Sparsity Path
Salar Fattahi, PhD Student, University of California, Berkeley, 4141 Etcheverry Hall, Berkeley, CA 94720-1777, Berkeley, CA, 94702, United States, fattahi@berkeley.edu, Javad Lavaei

4 - Snug Circumscribing Simplexes For Convex Hulls
Ghasemali Salmani Jajaei, PhD Student, Virginia Commonwealth University, 1015 Floyd Avenue, Harris Hall, Richmond, VA, 23284-3083, United States, salmanijajaeg@vcu.edu

5 - Volume Allocation Optimization For Space Mission Tasks
Churlzu Lim, Associate Professor, University of North Carolina at Charlotte, Systems Engineering & Engineering Management, 9201 University City Boulevard, Charlotte, NC, 28223, United States, clim2@uncc.edu, Simon M Hsiang, Sherry Thaxton, Maijinn Chen, Jerry G Myers

■ WB80

Broadway E- Omni

Health Care, Public II

Contributed Session

Chair: Samantha Meyer, Assistant Professor, Ross School of Business, 701 Tappan Ave., Ann Arbor, MI, 48109, United States, srmeyer@umich.edu

1 - How Much Sleep Do You Need?: Evidence From Public Health
Philip F. Musa, Associate Professor and Programs Director, University of Alabama-Birmingham, PO Box 55544, Birmingham, AL, 35255, United States, musa@uab.edu

2 - A Little Empathy Goes A Long Way In Disease Dynamics On A Network Game
Ceyhun Eksin, Georgia Tech, 85 5th St. NW, Atlanta, GA, 30332, United States, ceyhuneksin@gatech.edu, Jeff S Shamma, Joshua Weitz

3 - Spatial Evolutionary Game For Changes Of Human Behaviors In Epidemic
Songnian Zhao, Kansas State University, 2037 Durland Hall, Manhattan, KS, 66502, United States, songnian@ksu.edu, Yan Kuang, John C Wu, David Ben-Arieh

■ WB81

Broadway F- Omni

Health Care, Strategies II

Contributed Session

Chair: Michelle M. Alvarado, Visiting Assistant Professor, Texas A&M University, 3131 TAMU, College Station, TX, 77843, United States, michelle.alvarado@tamu.edu

1 - Nursing Home Rating System Inspection And Audit
Xu Han, Research Assistant, University of Connecticut School of Business, 2100 Hillside Road, Storrs, CT, 06269, United States, xu.han@business.uconn.edu

2 - Calling For Care? The Risky Proposition Of Teletriage In Healthcare Demand Management
Ozden Engin Cakici, Assistant Professor, American University, 4400 Massachusetts Avenue, NW, Washington, DC, 20016, United States, cakici@american.edu, Alex Mills

3 - Association Between Reserve Capacity And Surge Event Resiliency In Community Hospitals
Raymond L Smith, Doctoral Candidate, North Carolina State University, 318 Weycroft Grant Drive, Cary, NC, 27519, United States, rlsmith5@ncsu.edu

5 - A Multi-method Simulation Model Of Hospital Readmission Reduction Strategies
Michelle M. Alvarado, Visiting Assistant Professor, Texas A&M University, 3131 TAMU, College Station, TX, 77843, United States, michelle.alvarado@tamu.edu, Mark Alan Lawley

■ WB82

Broadway G- Omni

Networks and Graphs II

Contributed Session

Chair: Christopher Claypool, Louisiana State University, 1315 Woodcliff Drive, Baton Rouge, LA, 70815, United States, cclayp1@lsu.edu

1 - Modelling And Simulation Of The Formation Of Social Networks
Song Chew, Associate Professor, Southern Illinois University-Edwardsville, SIUE, Edwardsville, IL, 62026, United States, schew@siue.edu

2 - Exact And Heuristic Algorithms For Finding An Efficient Theme Park Tour
Richard Forrester, Associate Professor of Mathematics, Dickinson College, Department of Mathematics, College and Louther Street, Carlisle, PA, 17013, United States, forrestr@dickinson.edu, Danny Rivers, James Midkiff, Elizabeth Bouzarth, Kevin Hutson

■ WB83

Broadway H- Omni

Supply Chain Optimization II

Contributed Session

Chair: Wang Shukun, Huazhong University of science and technology, Luoyu Road 1037, Wuhan, 430074, China, wsk17951@163.com

1 - Optimization Of Lignocellulosic Biomass To Biofuel Supply Chains With Mobile Pelleting
Nibal Albashabsheh, PhD Student, Kansas State University, 1604 Roof Drive, Apt 101, Manhattan, KS, 66502, United States, nibal15@ksu.edu, Jessica Heier Stamm

2 - Supply Chain Coordination Under Price Sensitive Demand: A Game Theoretic Approach
Barbara Venegas Quintrileo, Penn State University, University Park, PA, 16802, United States, bbv105@psu.edu, Jose Antonio Ventura

3 - Flexible Production Resources And Capacity Utilization Rates: A Robust Optimization Perspective
Aldis Jakubovskis, University of Missouri - St. Louis, Saint Louis, MO, United States, jakubovskisa@missouri.edu

4 - Robust Data Collaboration Application For Large Teams
Haraldur Haraldsson, Optimization Specialist, AIMMS inc, 11711 SE 8th Street, #303, Suite 1780, Bellevue, WA, 98005, United States, Haraldur.Haraldsson@aimms.com

5 - Reliable Biomass Supply Chain Design Under Feedstock Seasonality
Wang Shukun, Huazhong University of science and technology, Luoyu Road 1037, Wuhan, 430074, China, wsk17951@163.com

■ WB84

Broadway J- Omni

Supply Chain, Risk II

Contributed Session

Chair: Wenpo Huang, Post-Doctor, Shanghai Jiao Tong University, 1954 Huashan Rd., Xuhui, Shanghai, 200030, China, bobhuang09@gmail.com

1 - Loan Guarantee And Subsidy For Small And Medium Suppliers
Boray Huang, Eindhoven University of Technology, PO Box 513, School of Industrial Engineering, Eindhoven, 5600MB, Netherlands, b.huang@tue.nl, Lei Jing

2 - Currency Exchange Rate Flexibility Contracts In Global Supply Chain
Leke Ogunranti, PhD Student, Drexel University, Gerri C. Lebow Hall 734, Decision Sciences, Philadelphia, PA, 19104, United States, gao32@drexel.edu, Avijit Banerjee, Oben Ceryan

3 - On The Structural Properties Of Wholesale Price Contracts Within Random Yield Supply Chains
Guang Xiao, Assistant Professor, The Hong Kong Polytechnic University, Hung Hom, Kowloon, Hong Kong, xiaoguang@wustl.edu, Panos Kouvelis

4 - Suboptimal Capacity Investments Under Information Asymmetry
Junhyun Bae, Student, Cornell University, Ithaca, NY, 14850, United States, jb2258@cornell.edu, William Schmidt

5 - The Optimal Decision Of Dual Sourcing System Under Lead-time And Price Uncertainties
Wenpo Huang, Post-Doctor, Shanghai Jiao Tong University, 1954 Huashan Rd., Xuhui, Shanghai, 200030, China, bobhuang09@gmail.com, Wei Jiang, Wenhui Zhao

■ WB85

Broadway K- Omni

Sustainability II

Contributed Session

Chair: Anthony Craig, Iowa State University, Ames, IA, tcraig@iastate.edu

1 - Life Cycle Assessment For The Sustainable Supply Chain – A Case Study
Chao Wen, Eastern Illinois University, 600 Lincoln Avenue, Lumpkin Hall, Charleston, IL, 61920, United States, cwen@eiu.edu

2 - Sustainable Product Development Based On Innovative Product Opportunity Gap
Mohammad Hessam Olya, Wayne State University, 4815 Fourth Street, Detroit, MI, 48202, United States, h.olya@wayne.edu, Hamed Fazlollahtabar, Kai Yang

3 - Supply Chain Emissions And Firm Performance
Anthony Craig, Iowa State University, 3236 Gerdin Business Building, Ames, IA, 50011, United States, tcraig@iastate.edu, Sachin B Modi

■ WB88

Broadway B-Omni

Military Applications II

Contributed Session

Chair: Michael Atkinson, Naval Postgraduate School, 1411 Cunningham Road, Building 302, Monterey, CA, 93943-5219, United States, mpatkins@nps.edu

1 - Critical Resources
Richard F Deckro, Professor of Operations Research, Air Force Institute of Technology, Afit/ENS; Bldg 641, 2950 Hobson Way, Wright Patterson AFB, OH, 45433-7765, United States, richard.deckro@afit.edu

2 - A Multi-level Approach To Network Attack Graph Interdiction
David Joseph Myers, Research Engineer, Air Force Research Laboratory, AFRL/RISB, Attn: David Myers, Rome, NY, 13441-4505, United States, david.djm.myers@gmail.com

3 - Evaluating Basing Options For Optimizing Accessibility For Global Response Force
Jeremy Eckhause, Operations Researcher, RAND Corporation, 1200 S. Hayes St., Arlington, VA, 22202, United States, eckhause@rand.org, Katharina Ley Best, Christopher Pernin, Michael Schwille, Katherine Pfrommer

4 - Predicting Future World Conflict Using Factor Sample Paths
Darryl K Ahner, Air Force Institute of Technology, 135 Eastwick Court, Dayton, OH, 45440-3647, United States, darryl.ahner@afit.edu, Nicholas Jerred Shallcross

5 - Assignment Of UAVs To Search And Communication Roles
Michael Atkinson, Naval Postgraduate School, 1411 Cunningham Road, Building 302, Monterey, CA, 93943-5219, United States, mpatkins@nps.edu, Ezra Akin, Kevin D Glazebrook

■ WB89

Broadway C-Omni

Maritime Transportation

Sponsored: TSL, Intelligent Transportation Systems (ITS)

Sponsored Session

Chair: Harilaos Psaraftis, Technical University of Denmark, Department of Transport, Lyngby, 2800, Denmark, hnpsar@dtu.dk

Co-Chair: Dario Pacino, Technical University of Denmark, Denmark, darpa@dtu.dk

1 - The Ship Loading Problem With Straddle Carrier Assignment And Scheduling
Dario Pacino, Technical University of Denmark, Ostrigsgade 28, Copenhagen, Denmark, darpa@dtu.dk

2 - Containership Deployment On A Liner Service
Shuaian Wang, Hong Kong Polytechnic University, Department of Logistics and Maritime Studies, Hong Kong, China, hans.wang@polyu.edu.hk

3 - A Metaheuristic For a Multi-product Maritime Inventory Routing Problem
Marielle Christiansen, Norwegian University of Science & Technology, Industrial Economics & Technology Mgmt, Trondheim, Norway, Marielle.Christiansen@iot.ntnu.no

■ WB90

Broadway D-Omni

Health Care, Modeling XIII

Contributed Session

Chair: Masoud Kamalahmadi, Doctoral Student, Indiana University, 1309 E Tenth St, Bloomington, IN, 47405, United States, maskamal@iu.edu

1 - Inventory Policies For Platelet Management At Hospitals Under Demand Uncertainty
Suchithra Rajendran, PhD Candidate and Research Assistant, The Pennsylvania State University, 310 Leonhard Building, University Park, PA, 16802, United States, sur205@psu.edu, Arunachalam Ravindran

2 - An Optimization Framework To Improve Patient Safety In Radiation Therapy
Pegah Pooya, PhD Candidate, North Carolina State University, 304 Ravenstone drive, Raleigh, NC, 27518, United States, ppooya@ncsu.edu, Osman Ozaltin, Julie Ivy, Lukasz Mazur, Lawrence Marks, Katharin Deschesne, Prithima Mosaly, Gregg Tracton

3 - A Theoretical Agent-based Framework To Evaluate The Anticompetitive Implications Of Accountable Care Organizations
Abdullah Alibrahim, PhD Candidate, University of Southern California, 344 Hauser Blvd Apt 219, Los Angeles, CA, 90036, United States, alibrahi@usc.edu, Shinyi Wu

4 - Tractable Approximations Of Distributionally Robust Chance Constraints In Radiation Therapy
Azin Khabazian, Research Assistance, University of Houston, 5465 Braesvalley Dr. Apt 566, Houston, TX, 77096, United States, akhabazian@uh.edu, Maryam Zaghian, Gino J. Lim

5 - Hospitalist's Service Mix And Impacts On Length Of Stay
Masoud Kamalahmadi, Doctoral Student, Indiana University, 1309 E Tenth St, Bloomington, IN, 47405, United States, maskamal@iu.edu, Kurt Bretthauer, Alex Mills, Jonathan Helm

Wednesday, 12:45PM - 2:15PM

■ WC01

101A-MCC

Data Mining in Aviation

Sponsored: Data Mining

Sponsored Session

Chair: Nima Safaei, Bombardier Aerospace., Unit 701, 23 Rean Dr., Toronto, ON, M2K 0A5, Canada, nima.safaei@aero.bombardier.com

1 - Multivariate Analysis Of Flight En Route Efficiency
Yulin Liu, University of California - Berkeley, 107 McLaughlin Hall, Berkeley, CA, 94709, United States, liuyulin101@berkeley.edu, Michael O Ball, Mark M Hansen

2 - Data Clustering Using A Network Flow Problem To Study The Aircraft Component Failure
Nima Safaei, Senior Specialist, Bombardier Aerospace., Unit 701, 23 Rean Dr., Toronto, ON, M2K 0A5, Canada, nima.safaei@aero.bombardier.com

3 - Improving Airline Fuel Burn Predictions Using Super Learner
Lei Kang, Graduate Student Researcher, University of California-Berkeley, 107 McLaughlin Hall, Berkeley, CA, 94720, United States, lkang119@gmail.com, Yulin Liu, Mark M Hansen

■ WC02

101B-MCC

Data Mining Applications in Health Care

Sponsored: Data Mining

Sponsored Session

Chair: Eric Swenson, US Army, 643 Belmont Circle, State College, PA, 16803, United States, eswen75@gmail.com

1 - Identification Of Flu Hubs Using A Scale Free Network Of Flu Distance
Hootan Kamran, PhD Candidate, University of Toronto, Department of Mechanical and Industrial Engin, Room RS 311, Toronto, ON, M5S 3G8, Canada, hootan@mie.utoronto.ca, Michael W Carter, Dionne Aleman, Kiearn Moore

2 - Children Segmentation Based On Risk Of Chronic Diseases
Nooshin Hamidian, Resaerch Assistant, University of Tennessee at Knoxville, 301 Woodlawn Pike, Apt A5, Knoxville, TN, 37920, United States, nhamidia@vols.utk.edu, Jafar Namdar, Rapinder Sawhney

3 - Health Market Segmentation And Classification Of Total Joint Replacement Surgery Patients
Eric Swenson, PhD Student, US Army, 643 Belmont Circle, State College, PA, 16803, United States, ers187@psu.edu
Eric Swenson, PhD Student, Pennsylvania State University, University Park, PA, 16802, United States, ers187@psu.edu, Nathaniel Bastian, Harriet Black Nembhard

■ WC03

101C-MCC

Big Data III

Contributed Session

Chair: Mahamaya Mohanty, Research Scholar, IITDelhi, Shaheed Jeet Singh Marg, New Delhi, 110016, India, mahamayamohanty@gmail.com

1 - Establishing A Big Data Analysis Framework For Computing Nash Equilibrium With Vehicle Data
Lee Yu-Ching, National Tsing Hua University, Hsinchu, Taiwan, yclee@ie.nthu.edu.tw, Ciou Si-Jheng, Huang Yi-Hao

2 - Incremental Methods For Additive Convex Cost Optimization
Mert Gurbuzbalaban, Postdoctoral Researcher, MIT, 176 Elm St #1, Building 32, Cambridge, MA, 02140, United States, mert.gurbuzbalaban@gmail.com, Asuman Ozdaglar, Pablo Parrilo

3 - Virtual Casted Supply Chain For Information Sharing
Mahamaya Mohanty, Research Scholar, IITDelhi, Shaheed Jeet Singh Marg, New Delhi, 110016, India, mahamayamohanty@gmail.com, Ravi Shankar

■ WC04

101D-MCC

Power System Operation Models for Ramping Scarcity Mitigation

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Masood Parvania, University of Utah, 50 S. Central Campus Drive, Salt Lake City, UT, 84112, United States, masood.parvania@utah.edu

1 - Ramping Deliverability Enhancement Through Flexible Transmission
Mostafa Ardakani-Sahraei, University of Utah, Salt Lake City, UT, United States, mostafa.ardakani@utah.edu

2 - Explicit And Implicit Mechanisms For Ensuring Reserve And Ramping Capability
Erik Ela, EPRI, eela@epri.com

3 - Definition And Valuation Of Continuous-time Ramping Trajectory In Power Systems Operation
Masood Parvania, University of Utah, masood.parvania@utah.edu

4 - Wind Ramping Product For Power System Ramping Scarcity Mitigation
Venkat Krishnan, NREL, Venkat.Krishnan@nrel.gov
Golden, CO, 80401, United States, Venkat.Krishnan@nrel.gov, Bri-Mathias Hodge, Anthony Florita

■ WC05

101E-MCC

Spatial optimization

Sponsored: Energy, Natural Res & the Environment II Forestry

Sponsored Session

Chair: Nahid Jafari, University of Florida, Gainesville, FL, United States, jnahid@hotmail.com

1 - Fine-scale Spatial Targeting Of Surveillance To Minimize Costs Of Invasive Species Introduction Across Large Landscapes
Rebecca Epanchin-Niell, Resources for the Future, Epanchin-Niell@rff.org

2 - Analyzing Trade-offs Between Fire Prevention And Suppression In The Republic Of Korea
Yohan Lee, Yeungnam University, yohanlee76@gmail.com

3 - Spatial Control Of The Argentine Black And White Tegu. An Approach Using Linear Programming
Julien Martin, United States Geological Survey, 7920 NW 71 Street, Gainesville, FL, 32653, United States, julienmartin@usgs.gov, Mathieu Bonneau, Fred A. Johnson, Brian Smith, Christina M. Romagosa

4 - Robust Spatial Optimization For The Invasive Species Management
Nahid Jafari, University of Florida, nahid.jafari@ufl.edu

■ WC06

102A-MCC

Big Data 2

Sponsored: Data Mining

Sponsored Session

Chair: Milton Soto-Ferrari, Western Michigan University, 4601 Campus Drive, Parkview Campus Building I, Kalamazoo, MI, 49008-5336, United States, miltonrene.sotoferrari@wmich.edu

1 - Disease Detection Analytics: Comparing And Contrasting The Performance Of Popular Predictive Models For Breast Cancer And Diabetes Data Sets
Subhashish Samaddar, Professor, Business Analytics and Operations, Georgia State University, Managerial Science, P.O. Box 4014, Atlanta, GA, 30302-4014, United States, s-samaddar@gsu.edu, Somnath Mukhopadhyay

2 - Characterization Of Breast Cancer Patients Receiving Unexpected Treatments
Milton Soto-Ferrari, Western Michigan University, 4601 Campus Drive, Parkview Campus Building I, Kalamazoo, MI, 49008-5336, United States, miltonrene.sotoferrari@wmich.edu, Diana Prieto

■ WC07

102B-MCC

Process Modeling

Sponsored: Data Mining

Sponsored Session

Chair: Najibe Sadatijafarkalaei, Wayne State University, 4815 Fourth Street, Detroit, MI, 48202, United States, fv0017@wayne.edu

1 - An Efficient Nonparametric Fault Variable Identification Method
Mehmet Turkoz, Rutgers University, 16 Rachel Terrace, Piscataway, NJ, 08854, United States, turkoz@scarletmail.rutgers.edu

2 - A Hybrid Genetic Algorithm With Tabu List For Generating a Stochastic Process Tree Model Based on Event Logs
Jin Young Choi, Ajou University, Worldcup-ro 206, Yeongtong-gu, Suwon, 16499, Korea, Republic of, choijy@ajou.ac.kr, Woo-Min Joo, Do Gyun Kim

3 - Observational Data Driven Modeling And Optimization Of Manufacturing Processes
Najibe Sadatijafarkalaei, PhD Student, Wayne State University, 4815 Fourth Street, Detroit, MI, 48202, United States, fv0017@wayne.edu, Ratna Babu Chinnam

■ WC08

103A-MCC

Technology Mgt

Contributed Session

Chair: Mahmut Sonmez, Senior Lecturer in Management Science & Statistics, University of Texas at San Antonio, College of Business, San Antonio, TX, 78249-0631, United States, maho.sonmez@utsa.edu

1 - Wearable Technology In Fitness – Fitbit
Hongwei Du, Professor, California State University-East Bay, 25800 Carlos Bee Boulevard, Hayward, CA, 94542, United States, hongwei.du@csueastbay.edu

2 - Dominant Design, Sequential Product Categories, And Product Innovation
Hyunwoo Park, Postdoctoral Fellow, Georgia Institute of Technology, 85 5th St NW, Atlanta, GA, 30332, United States, hwpark@gatech.edu, Rahul C Basole

3 - Technological Innovation, International Patenting And National Economic Development: A Multinational Multi-year Study
Kelvin Wayne Willoughby, Professor, Innovation and Intellectual Property, Skolkovo Institute of Science and Technology, Skolkovo Innovation Center, 3 Nobel Street, Moscow, 143026, Russian Federation, kelvin@skoltech.ru, Alexander Vidiborskiy

4 - The D-day, V-day, And Bleak Days Of A Disruptive Technology: A New Model For Ex-ante Evaluation Of The Timing Of Technology Disruption
Chialin Chen, Professor, National Taiwan University, Taipei, 10617, Taiwan, cchen026@ntu.edu.tw, Jun Zhang, Ruey-Shan Guo

■ WC10

103C-MCC

Designing Energy and Water Supply Chains for Prosperity

Sponsored: Energy, Natural Res & the Environment, Energy

Sponsored Session

Chair: Yao Zhao, 1 Washington Street, Newark, NJ, 07102, United States, yaozhao@andromeda.rutgers.edu

1 - Distressed Selling By Farmers: Policy Recommendations
Shivam Gupta, University of Texas Dallas, sxg104920@utdallas.edu, Milind Dawande, Ganesh Janakiraman, Ashutosh Sarkar

2 - Designing Hydro Supply Chains For Water, Food, Energy And Flood Nexus
Kwon Gi Mun, Assistant Professor, Fairleigh Dickinson University, Teaneck, NJ, United States, kgmun@fdu.edu, Raza Ali Rafique, Yao Zhao

3 - Agricultural Support Prices In Developing Economies: Operational Analysis And Its Use In Policy-making
Harish Guda, University of Texas Dallas, hxg131530@utdallas.edu, Tharanga Kumudini Rajapakshe, Milind Dawande, Ganesh Janakiraman

4 - Coordinating And Sharing Demand-side Energy Resources – A Conceptual Design
Wei Qi, Lawrence Berkeley National Laboratory, WQi@lbl.gov, Bo Shen, Hongcai Zhang, Zuo-Jun Max Shen

■ WC11

104A-MCC

Decision Making Under Multistage Uncertainty

Sponsored: Optimization, Linear and Conic Optimization

Sponsored Session

Chair: Kartikey Sharma, Northwestern University, 2145 Sheridan Rd, Evanston, IL, 60208, United States, kartikeysharma2014@u.northwestern.edu

Co-Chair: Omid Nohadani, Northwestern University, Northwestern University, Evanston, IL, 60208, United States, nohadani@northwestern.edu

1 - Adjustable Robust Optimization Via Fourier-motzkin Elimination
Jianzhe Zhen, Tilburg University, Tilburg, Netherlands, J.Zhen@tilburguniversity.edu, Melvyn Sim, Dick den Hertog

2 - Distributionally Robust Inventory Control When Demand Is A Martingale
Linwei Xin, U of Illinois at Urbana-Champaign, lxin@illinois.edu, David Goldberg

3 - Robust Optimization With Decision Dependent Uncertainty Sets
Kartikey Sharma, Northwestern University, kartikeysharma2014@u.northwestern.edu, Omid Nohadani

4 - Adaptive Probabilistic Satisficing Models
Zhi Chen, National University of Singapore, National University of Singapore, Singapore, Singapore, chenzhi@u.nus.edu, Melvyn Sim

■ WC12

104B-MCC

Recent Advances in Decision Diagrams for Optimization

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Andre Augusto Cire, University of Toronto Scarborough, Toronto, ON, Canada, acire@utsc.utoronto.ca

1 - A Generic Approach To Solving Sequencing Problems With Time-dependent Setup Times
Joris Kinable, Carnegie Mellon University, Pittsburgh, PA, United States, jkinable@cs.cmu.edu, Andre Augusto Cire, Willem-Jan Van Hoeve

2 - Decision Diagram Bounds For Integer Programming Models
Christian Tjandraatmadja, Carnegie Mellon University, Pittsburgh, PA, United States, ctjandra@andrew.cmu.edu, Willem-Jan Van Hoeve

3 - An MDD-based Approach For The Time-dependent TSP
Tallys Yunes, University of Miami, tallys@miami.edu, David Bergman, Andre Augusto Cire

4 - Branching With Less Repetition
Thiago Serra, Carnegie Mellon University, Pittsburgh, PA, 15213, United States, tserra@cmu.edu, John Hooker

■ WC13

104C-MCC

Computational Approaches to Large-scale/Exact Optimization

Sponsored: Optimization, Computational Optimization and Software

Sponsored Session

Chair: Ilbin Lee, Georgia Tech, Georgia Tech, Atlanta, GA, 30332, United States, ilee79@gatech.edu

1 - Solving Large Batches Of Linear Programs
Ilbin Lee, Georgia Institute of Technology, Atlanta, GA, 30332, United States, ilee79@gatech.edu, Stewart Curry, Nicoleta Serban

2 - Bilinear Optimization And Its Application In Robust Optimization
Wei Wang, University of Pittsburgh, Pittsburgh, PA, United States, w.wei@pitt.edu, Anna Danandeh, Bo Zeng, Brian Buckley

3 - Efficient Validation Of Basic Solutions Via The Roundoff-error-free Factorization Framework
Adolfo R Escobedo, Assistant Professor, Arizona State University, Tempe, AZ, 85281, United States, adolfo.escobedo@asu.edu, Erick Moreno-Centeno

4 - Computational Study Of Valid Inequalities For A Semidefinite Relaxation Of Maximum-k-cut
Miguel F. Anjos, Professor and Canada Research Chair, GERAD & Polytechnique Montreal, Montreal, QC, Canada, miguel-f.anjos@polymtl.ca, Vilmar Rodrigues de Sousa, Vilmar Rodrigues de SousaLe Digabel

■ WC14

104D-MCC

Transportation and Disaster Analytics

Sponsored: Analytics

Sponsored Session

Chair: Samiul Hasan, CSIRO, Highett, Australia, samiul.hasan@gmail.com

1 - Analyzing Complex Social Contagion During Hurricane Sandy Using Social Media Communication Data
Arif Mohaimin Sadri, Purdue University, West Lafayette, IN, United States, asadri@purdue.edu, Samiul Hasan, Satish Ukkusuri, Manuel Cebrian

2 - Short-term Taxi Demand Forecasting Accouting For Spatio-temporal Correlations
Xinwu Qian, Purdue University, qian39@purdue.edu

3 - Traffic State Estimation For Arterial Networks Using License-plate Recognition Data
Xianyuan Zhan, Purdue University, zhanxianyuan@purdue.edu

■ WC15

104E-MCC

Exploiting Sparse and Low Rank Structures for Inference

Sponsored: Artificial Intelligence

Sponsored Session

Chair: Meisam Razaviyayn, Stanford University, 275 Ventura Ave, Apt 27, Palo Alto, CA, 94306, United States, meisamr@stanford.edu

1 - Understanding Non-convex Optimization For Matrix Completion
Ruoyu Sun, Stanford University, ruoyus@stanford.edu

2 - Covariance Thresholding And Sparse Pca
Yash Deshpande, Stanford University, yashd@stanford.edu

3 - Vanishing Duality Gap In Nonconvex Optimization
Mengdi Wang, Princeton University, mengdiw@princeton.edu

4 - Nestt: A Nonconvex Primal Dual Splitting Method For Distributed And Stochastic Optimization
Davood Hajinezhad, Iowa State University, dhaji@iastate.edu, Mingyi Hong, Zhaoran Wang, Tuo Zhao

■ WC16

105A-MCC

Optimization and Learning in Supply Chain Systems

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Huanan Zhang, University of Michigan, 1205 Beal Avenue, Ann Arbor, MI, 48109, United States, zhanghn@umich.edu

Co-Chair: Cong Shi, University of Michigan, 1205 Beal Avenue, Ann Arbor, MI, 48109, United States, shicong@umich.edu

1 - Closing The Gaps: A Learning-while-doing Algorithm For Lost-sales Inventory System With Lead Times
Huanan Zhang, University of Michigan, Ann Arbor, MI, 48108-1094, United States, zhanghn@umich.edu, Xiuli Chao, Cong Shi

2 - Nonparametric Data-driven Algorithms For Capacitated Inventory Systems
Weidong Chen, University of Michigan, aschenwd@umich.edu, Cong Shi, Izak Duenyas

3 - Primal-dual Algorithm For Online Transportation Problem
Yuchen Jiang, University of Michigan, Ann Arbor, MI, United States, ycjiang@umich.edu, Cong Shi, Siqian Shen

4 - Preservation Of Additive Convexity And Its Applications In Stochastic Optimization Problems
Xiting Gong, The Chinese University of Hong Kong, xtgong@se.cuhk.edu.hk, Tong Wang

■ WC17

105B-MCC

Nonlinear Optimization Algorithms I

Sponsored: Optimization, Nonlinear Programming

Sponsored Session

Chair: Daniel Robinson, Johns Hopkins University, 3400 N. Charles Street, Baltimore, MD, 21218, United States, daniel.p.robinson@gmail.com

Co-Chair: Frank Edward Curtis, Lehigh University, 200 West Packer Avenue, Bethlehem, PA, 18015, United States, frank.e.curtis@gmail.com

Co-Chair: Andreas Waechter, Northwestern University, 2145 Sheridan Road, Evanston, IL, 60208, United States, waechter@iems.northwestern.edu

1 - An Active-set Algorithm For Chance-constrained Nonlinear Optimization
Andreas Waechter, Northwestern University, waechter@iems.northwestern.edu, Frank Edward Curtis, Victor M Zavala

2 - Logical Benders Decomposition For Binary-constrained Quadratic Programs With Complementarity Constraints
Francisco Jara-Moroni, Northwestern University, Evanston, IL, United States, franciscojaramoroni2013@u.northwestern.edu, Andreas Waechter, Jong-Shi Pang, John E Mitchell

3 - Trust Region Methods With Optimal Complexity For Nonconvex Functions
Mohammadreza Samadi, Lehigh University, Bethelehem, PA, United States, mos213@lehigh.edu, Frank E. Curtis, Daniel Robinson

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106A-MCC

DMA Healthcare

Contributed Session

Chair: Kaiye Yu, Tsinghua University, Room 615,Shunde Building, Tsinghua University, Beijing, BJ100084, China, yky15@mails.tsinghua.edu.cn

1 - Optimal Reimbursement Schemes For Maternity Care Safety And Quality
Cheng Zhu, McGill University, 701-801 Sherbrooke Est, Montreal, QC, H2L 0B7, Canada, cheng.zhu@mail.mcgill.ca, Beste Kucukyazici

2 - Using Policy Flight Simulator To Evaluate Scalability Of Evidence Based Practices
Zhongyuan Yu, Research Assistant Professor, Stevens Institute of Technology, Hoboken, NJ, 07030, United States, zyu7@stevens.edu, William B Rouse, Michael Pennock, Kara Pepe

4 - Modeling And Assessment Of The Risk Of Colorectal Polyp
Kaiye Yu, Tsinghua University, Room 615,Shunde Building, Tsinghua University, Beijing, BJ100084, China, yky15@mails.tsinghua.edu.cn, Jie Xing, Wenying Zhou, Shutian Zhang, Xiaolei Xie, Nan Kong

■ WC19

106B-MCC

Open-Source Tools for Operations Research

Sponsored: Computing

Sponsored Session

Chair: Matthew J Saltzman, Clemson University, Clemson University, Clemson, SC, 29634, United States, mjs@clemson.edu

1 - New Developments In Pyomo
William E Hart, Sandia National Laboratory, wehart@sandia.gov

2 - Jmarkov: An Integrated Java Framework For Stochastic Modeling
Daniel F Silva, Georgia Institute of Technology, Atlanta, GA, United States, dfsi3@gatech.edu, Julio C Goez, Juan F Perez, German Riano

■ WC20

106C-MCC

Understanding the US Index Futures Stock Market using Research

Invited: Tutorial

Invited Session

Chair: William T. Ziemba, University of British Columbia, 1, Vancouver, BC, 2, Canada, wtzimi@mac.com

1 - Understanding The US Index Futures Stock Market Using Research
William T. Ziemba, University of Bristish Columbia, Vancouver, BC, 2, Canada, wtzimi@mac.com

■ WC21

107A-MCC

Healthcare Operations and Capacity Planning

Sponsored: Health Applications

Sponsored Session

Chair: Sukriye Nilay Argon, University of North Carolina, Hanes Hall CB# 3260, Chapel Hill, NC, 27599, United States, nilay@unc.edu

Co-Chair: Serhan Ziya, University of North Carolina, 356 Hanes Hall, CB#3260, Chapel Hill, NC, 27599, United States, ziya@unc.edu

1 - Admission, Routing And Early Discharge Decisions In A Hospital Setting
Lerzan E Ormeci, Koc University, lormeci@ku.edu.tr, Nermin Kurt, Amin Khoshkenar

2 - Ambulance Redeployment And Dispatching Under Uncertainty With Personnel Workload Limitations
Shakiba Enayati, North Carolina State University, Raleigh, NC, United States, senayat@ncsu.edu, Osman Ozaltin, Maria Esther Mayorga

3 - An Optimization Approach For Coordinating Clinic And Surgery Appointments To Meet Access Delay Service Levels
Esmaeil Keyvanshokooh, University of Michigan, Ann Arbor, Ann Arbor, MI, United States, keyvan@umich.edu, Mark P. Van Oyen

4 - Optimizing Admission And Discharge Decisions In Icu With Flexible Bed Allocation
Xuanjing Li, Tsinghua University, Room 519A,Shunde Building,Tsinghua Univ, Beijing, Beijing, 100084, China, lixj15@mails.tsinghua.edu.cn, Dacheng Liu, Xiaolei Xie, Ye Wang

■ WC22

107B-MCC

Appointment Scheduling Models and Analytics

Sponsored: Health Applications

Sponsored Session

Chair: Nan Liu, Columbia University, 722 W. 168th. St, New York, NY, 10032, United States, nl2320@columbia.edu

Co-Chair: Zhankun Sun, Eyes High postdoctoral scholar, University of Calgary, 2500 University Dr. NW, Calgary, AB, T2N 1N4, Canada, zhankun.sun@haskayne.ucalgary.ca

1 - Improving Patient Satisfaction: Customizing Patient Appointment
Yutian Li, University of Miami, 421 Jenkins Building, 5250 University Drive, Coral Gables, FL, 33124, United States, ytli@umiami.edu, Joseph Johnson, Yu Tang

2 - Managing Appointment-based Services In The Presence Of Walk-in Customers
Shan Wang, Shanghai Jiao Tong University, 1954 Huashan Road, Shanghai, 200030, China, wangshan_731@sjtu.edu.cn, Nan Liu, Guohua Wan

3 - Physician Scheduling To Improve Patient Flow Through Emergency Rooms
Farzad Zaerpour, PhD Candidate, Haskayne School of Business, University of Calgary, Calgary, AB, T3A 2E1, Canada, farzad.zaerpour@haskayne.ucalgary.ca, Zhankun Sun, Marco Bijvank

4 - When Waiting To See A Doctor Is Less Irritating: Understanding Patient Preferences And Choice Behavior In Appointment Scheduling
Nan Liu, Columbia University, 722 W. 168th St., Room 476, New York, NY, 10032, United States, nl2320@columbia.edu, Stacey Finkelstein, Margaret Kruk, David Rosenthal

■ WC23

108-MCC

Optimization in Radiation Therapy Treatment Planning

Sponsored: Health Applications

Sponsored Session

Chair: Victor Wu, University of Michigan, 1205 Beal Avenue, Ann Arbor, MI, 48109, United States, vwwu@umich.edu

1 - Deriving Imrt Treatment Plans From Dvh Curves
Aaron Babier, University of Toronto, Toronto, ON, Canada, ababier@mie.utoronto.ca, Justin James Boutilier, Andrea McNiven, Michael Sharpe, Timothy Chan

2 - Evaluation Of Multi-source Treatments For Prostate Brachytherapy Optimized Using An Interior Point Constraint Generation Algorithm
Dionne Aleman, University of Toronto, Toronto, ON, Canada, aleman@mie.utoronto.ca, Rachel Mok Tsze Chung, William Song

3 - Threshold-driven Optimization For Reference-based Auto-planning
Troy Long, University of Texas Southwestern, Dallas, TX, United States, troy.long@utsouthwestern.edu, Steve Jiang, Mingli Chen, Weiguo Lu

4 - Optimal Fractionation With Two Modalities
Sevnaz Nourollahi, University of Washington Seattle, sevnaz@uw.edu

■ WC24

109-MCC

Scheduling Providers and Patients

Sponsored: Health Applications

Sponsored Session

Chair: Nadia Lahrichi, Ecole Polytechnique de Montreal, 2900 Boul. Édouard-Montpetit, A-520.20, Montreal, QC, H3T 1J4, Canada, nadia.lahrichi@polymtl.ca

1 - Adaptive Appointment Scheduling For Patient Centered Medical Homes
Ali Kemal Dogru, OM PhD Student, University of Alabama, Tuscaloosa, AL, 35487, United States, akdogru@crimson.ua.edu, Sharif Melouk

2 - Elective Surgery Scheduling Considering Patient Health Condition
Joonyup Eun, Vanderbilt University Medical Center, Nashville, TN, 37212, United States, joonyup.eun@vanderbilt.edu, Sang-Phil Kim, Yuehwern Yih

3 - Scheduling Physicians To Improve Patient Flow In Radiotherapy Centers
Nadia Lahrichi, Ecole Polytechnique de Montreal, nadia.lahrichi@polymtl.ca

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110A-MCC

Logistics III

Contributed Session

Chair: Chun Hung Cheng, Associate Professor, Chinese University of Hong Kong, Rm 607 William MW Mong Eng Bldg, Shatin NT, Hong Kong, chcheng@se.cuhk.edu.hk

1 - Identifying Collaborative Shipping Opportunities
Jeroen Belien, KU Leuven, Warmoesberg 26, Brussel, 1000, Belgium, jeroen.belien@kuleuven.be, Stefan Creemers, Robert Boute

2 - A Multilocation Distribution System With Resupply And Vehicle Routing
Stefan Minner, Technical University of Munich, Arcisstrasse 21, Munich, 80333, Germany, stefan.minner@tum.de, Belma Turan, Richard F. Hartl

3 - Minimizing Fuel Consumption And Gas Emissions In Urban Distribution With An Instantaneous Energy Model
Hugo Tsugunobu Yoshida Yoshizaki, Associate Professor, University of Sao Paulo, Av. Almeida Prado Trav 2, 128, Cidade Universitaria, Sao Paulo, 05508-900, Brazil, hugo@usp.br, Anderson Oliveira Paschoal

4 - Optimal Design For Block Stacking Warehouses
Shahab Derhami, PhD Candidate, Auburn University, 3301 Shelby Center, Auburn, AL, 36849, United States, sderhami@auburn.edu, Jeffrey Smith, Kevin Gue

5 - A Location Based System For Managing Cart Operations At A Mail Facility
Chun Hung Cheng, Associate Professor, Chinese University of Hong Kong, Rm 607 William MW Mong Eng Bldg, Shatin NT, Hong Kong, chcheng@se.cuhk.edu.hk, Yong-Hong Kuo

■ WC26

110B-MCC

Information Systems II

Contributed Session

1 - Why Do Firms Outsource Empirical Evidence For Resource Constraint And Slack Mechanisms
Shivom Aggarwal, IE Business School, Instututo de Empresa S.L., CIF B82334319, Calle de Maria de Molina, 12 Bajo, Madrid, 28006, Spain, dr.shivom@gmail.com, Kiron Ravindran, Gautam Ray

2 - Developing A Non Invasive Tool To Diagnose Diabetic Retinopathy
Saeed Piri, PhD Student, Oklahoma State University, School of Industrial Engineering & Management, Engineering North, Stillwater, OK, 74078, United States, saeed.piri@okstate.edu, Tieming Liu, Dursun Delen

3 - Call For Bids To Improve Matching Efficiency: Evidence From Online Labor Markets
Xue Guo, Doctoral Student, Temple University, Fox School of Business, 1801 North Broad Street, Philadelphia, PA, 19122, United States, xueguo@temple.edu, Jing Gong, Pavlou Paul

4 - An Empirical Investigation Of Online Marketplace Users
Yuanyuan Shen, Stanford University, Stanford, CA, 94305, United States, yyshen@stanford.edu, Haim Mendelson, Kenneth Moon

■ WC27

201A-MCC

Innovations in Retail Operations

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Nicole DeHoratius, University of Chicago, 58071 S Woodlawn Ave., Chicago, IL, 60637, United States, Nicole.DeHoratius@ChicagoBooth.edu

1 - Retail Inventory Liquidation Value: Local Economic Factors
Nathan Craig, OSU, craig.186@osu.edu

2 - Here Comes The Sun: Measuring And Exploiting Weather Shocks In Fashion Retailing
Victor Martinez-de-Albeniz, Professor, IESE Business School, Barcelona, 08034, Spain, valbeniz@iese.edu, Abdel Belkaid

3 - Optimizing Prepacks To Ship Products In Retail Supply Chains
Stephen A Smith, Santa Clara University, Omis Lucas Hall 216h, 500 El Camino Real, Santa Clara, CA, 95053-0382, United States, ssmith@scu.edu, Naren Agrawal

4 - Package Size And Pricing Decisions With A Bulk Sale Option
Ismail Kirci, University at Texas at Dallas, ismail.kirci@utdallas.edu

■ WC29

202A-MCC

Mechanisms to Enhance the Value of Used and Returned Products

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Eda Kemahlioglu-Ziya, Poole College of Management at North Carolina State University, 2801 Founders Dr, Raleigh, NC, 27695, United States, ekemahl@ncsu.edu

1 - Impact Of Recycling Standards On E-waste Recovery In The Presence Of Secondary Market
Gokce Esenduran, Ohio State University, esenduran.1@osu.edu, Yen-Ting (Daniel) Lin, Wenli Xiao, Minyue Lin

2 - Design For Reusability And Product Reuse Under Radical Innovation
Michael Galbreth, University of South Carolina, galbreth@moore.sc.edu

3 - Extracting Maximum Value From Consumer Returns
Cerag Pince, Kuhne Logistics University, Cerag.Pince@the-klu.org, Mark Ferguson, Beril L Toktay

4 - Truth-inducing Mechanism For Medical Surplus Products Allocation
Can Zhang, Georgia Institute of Technology, Atlanta, GA, 30309, United States, czhang2012@gatech.edu, Atalay Atasu, Turgay Ayer, Beril L Toktay

■ WC30

202B-MCC

Data-Driven Models in Healthcare

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Yichuan Ding, University of British Columbia, 2053 Main Mall, Sauder School of Business, Vancouver, BC, V6T1Z2, Canada, daniel.ding@sauder.ubc.ca

1 - Bundled Payments And Value Based Delivery
Jillian B Jaeker, Boston University, jjaeker@bu.edu

2 - Dynamic Allocation Of Vaccine Stocks For Pandemic Influenza Mitigation
Ozden O Dalgic, University of Waterloo, Waterloo, ON, Canada, oodalgic@uwaterloo.ca

3 - Designing Personalized Anticoagulation Therapy
Rouba Ibrahim, University College London, rouba.e.ibrahim@gmail.com, Vedat Verter, Beste Kucukyazici, Michel Gendreau, Mark Blostein

4 - Do Patients From Rural Areas Get Proper Referral For Surgical Care
Yichuan Ding, University of British Columbia, 2053 Main Mall, Vancouver, BC, V6T1Z2, Canada, daniel.ding@sauder.ubc.ca

■ WC31

202C-MCC

Consumer Behavior in Services

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Qiuping Yu, Assistant Professor, Kelley School of Business, Indiana University, 1275 E 10th St, Bloomington, IN, 47401, United States, qiupyu@indiana.edu

1 - Rational Abandonment From Observable Priority Queues
Philipp Afèche, Rotman School of Management, University of Toronto, Toronto, ON, Canada, afeche@rotman.utoronto.ca, Vahid Sarhangian

2 - Learning Quality Through Service Outcomes
Senthil Veeraraghavan, The Wharton School, University of Pennsylvania, senthilv@wharton.upenn.edu, Laurens G Debo

3 - Design Of Discretionary Service Lines: An Operational Driver Of Variety
Laurens Debo, Tuck School of Business, Dartmouth College, 100 Tuck Drive, Hanover, NH, 03755, United States, Laurens.g.Debo@tuck.dartmouth.edu, Cuihong Li

4 - Linking Customer Behavior And Delay Announcements: Are Customers Really Rational?
Eric Webb, Kelley School of Business, Indiana University, Bloomington, IN, United States, ermwebb@indiana.edu, Qiuping Yu, Kurt M Bretthauer

■ WC32

203A-MCC

Risk Analysis III

Contributed Session

Chair: Dexiang Wu, Stockholm University, Stockholm Business School, Stockholm, 106 91, Sweden, dexiang.wu@sbs.su.se

1 - Modeling Behavior Of Attackers Against The Uncertainty Of Cascading Failure
Sinan Tas, Assistant Professor, University of Wisconsin-Platteville, 1 University Plaza, Platteville, WI, 53818, United States, tass@uwplatt.edu

2 - Analysis Of Intraday Data Effects On Two-stage Risk-averse Portfolio Optimization
Sitki Gulten, Stockton University, School of Business, 101 Vera King Farris Drive, Galloway, NJ, 08205, United States, sitki.gulten@stockton.edu

3 - Exploring Multi-stage Recovery Resilience
Daniel Hernando Romero, University of South Florida, 4411 Shady Terrace Ln, Unit A, Apt 212, Tampa, FL, 33613, United States, danielromero@mail.usf.edu, Alex Savachkin, Alvaro Sierra, Weimar Ardila

4 - Cardinality Constrainted CDS Portfolio Optimization
Dexiang Wu, Stockholm University, Stockholm Business School, Stockholm, 106 91, Sweden, dexiang.wu@sbs.su.se, Desheng Dash Wu

■ WC33

203B-MCC

Production and Scheduling III

Contributed Session

Chair: Steffen T. Klosterhalfen, BASF SE, Ludwigshafen, Germany, steffenklosterhalfen@googlemail.com

1 - Fitting Clearing Fun Actions Using Generalized Regression Methods
Reha Uzsoy, North Carolina State University, Dept. of Industrial & Systems Engg, 300 Daniels Hall Camps Box 7906, Raleigh, NC, 27695-7906, United States, ruzsoy@ncsu.edu, Karthick Gopalswamy

2 - A Two-stage Stochastic Programming Model For Lot-sizing And Scheduling Under Uncertainty
Zhengyang Hu, Research Assistant, Iowa State University, 100 Enrollment Services Center Ames, Ames, IA, 50011, United States, zhengya@iastate.edu, Guiping Hu

3 - Managing Product Transitions In Semiconductor Wafer Fabrication Facilities
Reha Uzsoy, North Carolina State University, Dept. of Industrial & Systems Engg, 300 Daniels Hall Camps Box 7906, Raleigh, NC, 27695-7906, United States, ruzsoy@ncsu.edu, Atchyuta B. Manda, Sukgon Kim, Karl Kempf

4 - Scheduling With Batching Decisions And Energy Constraints For Steelmaking Continuous Casting Production
Wenjie Xu, Northeastern University, NO. 3-11, Wenhua Road, Heping, Shenyang, 110819, China, xuwenjie.neu@outlook.com, Lixin Tang

5 - Integrated Production And Safety Stock Planning In The Process Industry
Steffen T. Klosterhalfen, BASF SE, Ludwigshafen, Germany, steffenklosterhalfen@googlemail.com, Stefan Minner, Dariush Tavaghof Gigloo

■ WC34

204-MCC

Joint Session HAS/MSOM-HC: Advances in Healthcare Operations

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Van-Anh Truong, Columbia University, 500 120th Street, New York, NY, 10027, United States, vt2196@columbia.edu

1 - A Pomdp For Reducing Readmissions Through Inpatient Outpatient Joint Control
Xiang Liu, University of Michigan, liuxiang@umich.edu, Jonathan Helm, Mariel Sofia Lavieri, Ted Skolarus

2 - A Fluid Model For An Overloaded Bipartite Queueing System With Scoring Based Priority Rules
Yichuan Ding, Assistant Professor, University of British Columbia, 2053 Main Mall, Vancouver, BC, V6T1Z2, Canada, daniel.ding@sauder.ubc.ca, Mahesh Nagarajan, S. Thomas McCormick

3 - Routing Shared Vehicles With Matching Constraints For Medical Home Care Delivery
Miao Yu, University of Michigan, 1205 Beal Avenue, Ann Arbor, MI, 48109, United States, miaoyu@umich.edu, Viswanath Nagarajan, Siqian Shen

4 - A Periodic Little's Law And Its Application To Emergency Department Data
Xiaopei Zhang, Columbia University, 1 Morningside Drive, Apt. 1710, New York, NY, 10025, United States, xz2363@columbia.edu, Ward Whitt

■ WC36

205B-MCC

Economic Models in Supply Chains

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Gizem Korpeoglu, University College London, Gower Street, London, WC1E 6BT, United Kingdom, c.korpeoglu@ucl.ac.uk

1 - Supply Chain Expansion And Integration
C Gizem Korpeoglu, University College London, c.korpeoglu@ucl.ac.uk, Ersin Korpeoglu, Soo-Haeng Cho

2 - Pricing And Inventory Management For An Online Retailer
Rui Yin, Arizona State University, ryin@anderson.ucla.edu

3 - Decentralization And Outsourcing In A Global Supply Chain Under Arm'S Length Principle On Transfer Pricing
Kun Soo Park, KAIST, kunsoo@kaist.ac.kr, Bosung Kim, Seyoun Jung, Sang-Hun Park

■ WC37

205C-MCC

Topics in Sustainable Operations

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Vishal Agrawal, Georgetown University, Washington, DC, United States, Vishal.Agrawal@georgetown.edu

Co-Chair: Isil Alev, Boston College, Boston, MA, United States, isil.alev@bc.edu

1 - The Value Of Product Returns: Intertemporal Product Management With Strategic Consumers
Narendra Singh, Indian School of Business, Hyderabad, India, narendra_singh@isb.edu, Karthik Ramachandran, Ravi Subramanian

2 - Lemons, Trade-ins, And Remanufacturing
Ximin Huang, Georgia Institute of Technology, 800 West Peachtree Street, NW, Atlanta, GA, 30308, United States, ximin.huang@scheller.gatech.edu, Atalay Atasu, Beril L Toktay

3 - Trade-in Remanufacturing, Customer Purchasing Behavior, And Government Policy
Renyu Zhang, Assistant Professor of Operations Management, New York University Shanghai, 1555 Century Ave, Shanghai, 200122, China, renyu.zhang@nyu.edu, Fuqiang Zhang

4 - Extended Producer Responsibility (epr) And Export Bans
Isil Alev, Boston College, Chestnut Hill, MA, 02467, United States, isil.alev@bc.edu, Vishal Agrawal, Atalay Atasu

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206A-MCC

General Session I

Contributed Session

Chair: Hedayat Alibeiki, McGill University, 1001 Sherbrooke Street West, Desautels Faculty of Management, Montreal, QC, H3A 1G5, Canada, hedayat.alibeiki@mail.mcgill.ca

1 - Teaching And Learning Of Decision Making In Complex Projects Under Uncertainties
K Jo Min, Iowa State University, 3004 Black Engineering, Department of Industrial &, Ames, IA, 50011-2164, United States, jomin@iastate.edu, John Jackman, Michelle Zugg

2 - When To Introduce An Online Channel, And Offer Money Back Guarantees And Personalized Pricing?
Jing Chen, Professor, Dalhousie University, 6100 University Avenue, Halifax, NS, B3H 4R2, Canada, JChen@dal.ca, Bintong Chen

3 - Retail Power Impacts On Assortment Decisions By Power Retailers
Hedayat Alibeiki, McGill University, 1001 Sherbrooke Street West, Desautels Faculty of Management, Montreal, QC, H3A 1G5, Canada, hedayat.alibeiki@mail.mcgill.ca

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207A-MCC

Joint Session APS/MSOM: Service Systems in Applied Probability II

Sponsored: Applied Probability/MSOM

Sponsored Session

Chair: Jing Dong, Northwestern University, Evanston, Evanston, IL, United States, jing.dong@northwestern.edu

1 - When The Past Does Not Predict The Future: Delay Announcements With Customer Priorities
Rouba Ibrahim, University College London, rouba.ibrahim@ucl.ac.uk, Mor Armony, Achal Bassamboo

2 - Managing Overstaying Electric Vehicles In Park-and-charge Facilities
Ragavendran Gopalakrishnan, Research Scientist, Xerox Research Centre India, Bangalore, India, Ragavendran.Gopalakrishnan@xerox.com, Arpita Biswas, Partha Dutta

3 - The Superposition-traffic Game
Harsha Honnappa, Purdue, 315 N. Grant St., West Lafayette, IN, 47906, United States, honnappa@purdue.edu, Ashish R. Hota, Shreyas Sundaram

4 - Finite-size Effects In Critically Dimensioned Emergency Departments
Britt Mathijsen, Eindhoven University of Technology, PO Box 513, MetaForum 4.086, Eindhoven, 5600MB, Netherlands, b.w.j.mathijsen@tue.nl, Johan van Leeuwaarden, Foekje Sloothaak

■ WC40

207B-MCC

Queueing Systems

Sponsored: Applied Probability

Sponsored Session

Chair: Guodong Pang, Penn State University, University Park, University Park, PA, 16801, United States, gup3@psu.edu

1 - Parameter Uncertainty In Naor's Model
John Hasenbein, University of Texas-Austin, jhas@mail.utexas.edu, Ying Chen

2 - Strong Approximations For General Time Varying Queues
Jamol Pender, Cornell University, jamol.pender@gmail.com

3 - Pull-based Load Distribution Among Heterogeneous Parallel Servers: The Case Of Multiple Routers
Aleksandr Stolyar, Lehigh University, sasha.stolyar@gmail.com

4 - The Method Of Chaining For Many Server Queues
Yuhang Zhou, Penn State University, YXZ197@psu.edu, Guodong Pang

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207C-MCC

Real Options

Sponsored: Financial Services

Sponsored Session

Chair: Kuno Huisman, Tilburg University, Best, Netherlands, kuno.huisman@gmail.com

1 - Predatory Pricing Under Uncertainty: Revisiting The Deep Pocket Argument
Maria Lavrutich, Tilburg University, mlavrutich@gmail.com

2 - Optimal Timing Of Technology Adoption By Incumbents: War Of Attrition Versus Preemption
Nick Huberts, Tilburg University, N.F.D.Huberts@uvt.nl

3 - Disruptive Innovation In A Declining Market
Kuno Huisman, Tilburg University, kuno.huisman@gmail.com

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207D-MCC

Behavioral Considerations in Pricing and Revenue Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Monire Jalili, The University of Oregon, 488 Lillis, Lundquist College of Business, Eugene, OR, 97403, United States, mjalili@uoregon.edu

1 - Dynamic Pricing And Learning In Prediction Markets
Adam Schultz, University of Chicago-Booth School of Business, Chicago, IL, United States, adam.schultz@chicagobooth.edu, John Birge, N. Bora Keskin, Yifan Feng

2 - Try Before You Buy Pricing. Should Rental Fees Apply To Purchases?
Monire Jalili, The University of Oregon, mjalili@uoregon.edu, Michael Pangburn

3 - Analysts Decisions In Airline Revenue Management – An Experimental Study
Claudia Schuetze, M.Sc., RWTH Aachen University, Aachen, Germany, claudia.schuetze@rwth-aachen.de, Catherine Cleophas

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208A-MCC

Information Elicitation

Sponsored: Decision Analysis

Sponsored Session

Chair: Majid Karimi, Waterloo, ON, Canada, mk.majidkarimi@gmail.com

1 - Accept-reject Mechanisms For Team Formation
Yevgeniy Vorobeychik, Vanderbilt University, Nashville, TN, United States, eug.vorobey@gmail.com, Jian Lou, Martin van der Linden, Gregory Leo, Pranav Batra, Chen Hajaj, Myrna Wonders

2 - Prediction Market Equilibria Via Substitutes And Complements
Bo Waggoner, Harvard University, Computer Science, bwaggoner@fas.harvard.edu

3 - Arbitrage-free Combinatorial Market Making Via Integer Programming
Christian Kroer, Carnegie Mellon University, ckroer@cs.cmu.edu, Miroslav Dudík, Sébastien Lahaie, Sivaraman Balakrishnan

4 - Making Science Of "Black Art": Risk Bias In Market Scoring Rules
Majid Karimi, University of Waterloo, Faculty of Engineering, mk.majidkarimi@gmail.com, Stanko Dimitrov

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208B-MCC

Strategic Management Decision Making

Sponsored: Decision Analysis

Sponsored Session

Chair: Dharma Kwon, University of Illinois at U-C, Champaign, IL, United States, dhkwon@illinois.edu

1 - Dynamic Sourcing Decisions In Presence Of Technology Spillover Risks
Yunke Mai, Duke University, yunke.mai@duke.edu, Sasa Pekec

2 - When Suppliers Climb Value Chain: A Theory Of Value Distribution In Vertical Relationships
Zhixi Wan, University of Oregon, Eugene, OR, United States, zwan@uoregon.edu, Brian Wu

3 - Strategic Investment In Common Assets Under Uncertainty
Dharma Kwon, Associate Professor, University of Illinois at Urbana-Champaign, Champaign, IL, United States, dhkwon@illinois.edu, Youngsoo Kim, George Georgiadis

4 - Playing A Dominated Strategy In A Simple Bankruptcy Case: Field And Experimental Data
Steven A Lippman, Univ of California-Los Angeles, slippman@anderson.ucla.edu, Sushil Bikhchandani

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209A-MCC

Network Economics I

Sponsored: Simulation

Sponsored Session

Chair: Bruno Tuffin, INRIA, Rennes Cedex, France, bruno.tuffin@inria.fr

Co-Chair: Patrick Maillé, Telecom Bretagne, 2, rue de la Cha^taigneraie, Cesson Sévigné, 35576, France, patrick.maille@telecom-bretagne.eu

1 - Auctions For Online Ad Space Among Advertisers Mixing Pay-per-view And Pay-per-click
Bruno Tuffin, INRIA, bruno.tuffin@inria.fr, Patrick Maillé

2 - Investment And Competition With Shared Spectrum
Randall Berry, Northwestern University, rberry@eecs.northwestern.edu

3 - Data Bundling And Pricing In The Internet Of Things
Maurizio Naldi, University of Rome Tor Vergata, Roma, Italy, naldi@disp.uniroma2.it, Luis Guijarro, Vicent Pla, José Ramon Vidal

■ WC46

209B-MCC

Demand Learning with Strategic Customers

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Xi Chen, New York University, Stern, New York, NY, United States, xchen3@stern.nyu.edu

Co-Chair: Zizhuo Wang, University of Minnesota, Minneapolis, MN, United States, zwang@umn.edu

1 - Nonparametric Algorithms For Joint Pricing And Inventory Control With Lost-sales And Censored Demand
Beryl Boxiao Chen, University of Illinois at Chicago, Chicago, IL, United States, boxchen@umich.edu, Xiuli Chao, Cong Shi

2 - Bayesian Dynamic Learning And Pricing With Strategic Customers
Xi Chen, New York University, xchen3@stern.nyu.edu, Zizhuo Wang

3 - Operational Implications Of Choice Paralysis
Srikanth Jagabathula, New York University, sjagabat@stern.nyu.edu, Rene A Caldentey, Anisha Patel

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209C-MCC

Unique Applications in Pricing and Revenue Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Jon A Higbie, Revenue Analytics Inc, Atlanta, GA, United States, jhigbie@revenueanalytics.com

1 - Emerging Topics In Revenue Management For The Cruise Industry
Gregory Vogel, Holland America Line, gvogel@hollandamerica.com

2 - Pricing Strategies For Sustainable Green Marketing
Thunyarat Bam Amornpetchkul, Faculty member, NIDA Business School, Bangkok, Thailand, thunyarat.a@nida.ac.th

3 - Driving Organic Revenue Growth With Ancillaries
Dan Iliescu, Revenue Analytics, diliescu@revenueanalytics.com

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210-MCC

Intelligent Applications in Social Media Analytics

Invited: Social Media Analytics

Invited Session

Chair: Victor Benjamin, University of Arizona, 1130 E Helen St, Tucson, AZ, 85719, United States, vabenji@email.arizona.edu

1 - Is Weight Loss Social Contagious?
Chunxiao Li, Arizona State University, chunxiaoli@asu.edu, Bin Gu

2 - A Sentiment Breakdown Approach For Dissecting The Dna Of Medical Social Media Posts
Anwar Chutoo, University of Utah, anwar.chutoo@utah.edu, Olivia R Liu Sheng

3 - Understanding Malicious Tools In Underground Hacker Communities
Sagar Samtani, University of Arizona, sagars@email.arizona.edu

■ WC49

211-MCC

Teaching Analytics

Sponsored: Education (INFORMED)

Sponsored Session

Chair: Thomas G Groleau, Carthage College, Kenosha, WI, United States, tgroleau@carthage.edu

1 - Topics And Goals For An Introductory Business Intelligence Course Offered To Business Majors
Wendy Swenson-Roth, Georgia State University, wroth@gsu.edu

2 - Back To Basics: Framing The Foundations Of Analytics
Patrick S. Noonan, Goizueta Business School, Emory University, Atlanta, GA, United States, patrick.noonan@emory.edu

3 - Alternate Framework For Analytics Education
Thomas G Groleau, Carthage College, tgroleau@carthage.edu

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213-MCC

Education II

Contributed Session

Chair: Narasimhan Ravichandran, Indian Institute of Management-Ahmadabad, Wing 2 D, Vastrapur, Ahmedabad, 380015, India, nravi@iimahd.ernet.in

1 - Tailgating Games As Teaching Tools
Matthew Bailey, Associate Professor, Bucknell University, School of Management, Taylor Hall, Lewisburg, PA, 17837, United States, matt.bailey@bucknell.edu

2 - Understanding The Impact Of In-class Undergraduate Research In Engineering Education For Non-traditional Students: An Adaptive Guide
Justin Yates, Assistant Professor, Francis Marion University, PO Box 100547, Florence, SC, 29501, United States, jyates@fmarion.edu, Lorna Cintron-Gonzalez, Rahul Renu

3 - Awesome A Women In Stem Student And Faculty Organization For Small Universities And Colleges
Stephany Coffman-Wolph, Assistant Professor, West Virginia University Institute of Technology, 105 Silver Maple Ridge, #5, Charleston, WV, 25305, United States, sscoffmanwolph@mail.wvu.edu

4 - Managing Transport Concession To Senor Citizens
Narasimhan Ravichandran, Indian Institute of Management-Ahmadabad, Wing 2 D, Vastrapur, Ahmedabad, 380015, India, nravi@iimahd.ernet.in

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Music Row 1- Omni

DEA

Contributed Session

Chair: Hamed Kianmehr, PhD Student, Binghamton University, 142 1/2 Beethoven, Binghamton, NY, 13905, United States, hkianme1@binghamton.edu

1 - A Non-discretionary Dea Methodology For Competitive Environment Analysis In Retailing
Yeming Gong, Em Lyon Business School, Building B, Office 1018, 23 Avenue Guy De Collongue, Ecully, 69134, France, gong@em-lyon.com, Jiawen Liu

2 - Hospital Performance Evaluations In New York State Using Data Envelopment Analysis
Kelly Ann Stickle, Stony Brook University, 120 Sound Beach Blvd., Sound Beach, NY, 11789, United States, Kelly.Stickle@stonybrook.edu, Thomas Raymond Sexton, Christine Pitocco

3 - Assessing China's Healthcare Service Efficiency Using Improved Dynamic Data Envelopment Analysis
Tao Du, Beijing Institute of Technology, Beijing, China, dutao0608@163.com

4 - The Use Of Spatial Traffic Data For Traffic Signal Control At Signalized Intersections
Pei-Shan Hsieh, Univerisy of Arizona, Tucson, AZ, 85721, United States, phsieh@email.arizona.edu, Wei-Hua Lin, Zeng Wang

5 - Antimicrobial Resistance And The Patient Physicians Pharmaceutical Triad
Hamed Kianmehr, PhD Student, Binghamton University, 142 1/2 Beethoven, Binghamton, NY, 13905, United States, hkianme1@binghamton.edu

■ WC55

Music Row 3- Omni

Inventory Management VX

Contributed Session

1 - A Synthesis And Generalization Of Structural Results In Inventory Management: Generalized Convexity Properties
Zhe Liu, Columbia University, 511 W 112th Street, Apt 24C, New York, NY, 10025, United States, zliu18@gsb.columbia.edu, Awi Federgruen, Lijian Lu

2 - Incorporating Parcel Transportation Costs Into Lot Sizing Decisions
Matthew J Drake, Associate Professor of Supply Chain Management, Duquesne University, School of Business, 925 Rockwell Hall, Pittsburgh, PA, 15282, United States, drake987@duq.edu, Adam Wenger

3 - Monitoring Inventory Control Forecasting System Under Non-normal Input Noise Distributions
Hoda Sabeti, West Virginia University, 390 Gilmore St., Morgantown, WV, 26505, United States, hoda.sabeti@gmail.com, Omar Ahmed Al-Shebeeb, Majid Jaridi

■ WC57

Music Row 5- Omni

Disaster and Emergency Management II

Contributed Session

1 - Dynamic Resource Allocation For Effective Distribution Of In Kind Donations
Merve Ozen, PhD Student, University of Wisconsin-Madison, 602 Eagle Heights, Apt I, Madison, WI, 53705, United States, mozen@wisc.edu, Ananth Krishnamurthy

2 - Robust Ambulance Allocation Using Risk-based Metrics
Kaushik Krishnan, Graduate Research Assistant, University of Illinois at Urbana-Champaign, Urbana, IL, United States, kkrishn3@illinois.edu, Lavanya Marla

3 - Identifying And Monitoring International Shipments Of Hazardous Materials And Waste
Haibo Wang, Killam Distinguished Professorship, Texas A&M International University, 5201 University Boulevard, Laredo, TX, 78045, United States, hwang@tamiu.edu

■ WC58

Music Row 6- Omni

Finance II

Contributed Session

Chair: Phillip J Lederer, Professor, University of Rochester, Simon School of Bus Admin, Rochester, NY, 14627, United States, Lederer@simon.rochester.edu

1 - Toward A Firm Inefficiency Risk Factor Of Stock Returns: Model And Empirical Analysis
Daqi Xin, PhD Student, Rensselaer Polytechnic Institute, 110 8th St, Troy, NY, 12180, United States, xind@rpi.edu, Chanaka Edirisinghe

2 - Review And Evaluation Of Operations Capital Projects
Phillip J Lederer, Professor, University of Rochester, Simon School of Bus Admin, Rochester, NY, 14627, United States, Lederer@simon.rochester.edu

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Cumberland 1- Omni

Location of Energy-Efficient Facilities

Sponsored: TSL, Facility Logistics

Sponsored Session

Chair: Mohannad Kabli, Mississippi State Univ, MSU, Mississippi State, MS, 39762, United States, mrk297@msstate.edu

Co-Chair: Mohammad Marufuzzaman, Mississippi State University, PO Box 9542, Starkville, MS, 39762, United States, marufuzz@dasi.msstate.edu

1 - Stochastic Model For Locating Multiple Type Recharging Station Under Flow Uncertainty
Sushil Raj Poudel, PhD Candidate, Mississippi State University, Department of Industrial & Systems Engineering, P.O. Box 9542, Starkville, MS, 39762, United States, srp224@msstate.edu, Md Abdul Quddus, Sudipta Chowdhury, Mohammad Marufuzzaman, Linkan Bian

2 - Biorefinery Location And Green Perspectives
Javier Faulin, Full Professor, Public University of Navarra, Los Magnolios Bdg. 1st floor, Campus Arrosadia, Pamplona, 31006, Spain, javier.faulin@unavarra.es, Adrian Serrano-Hernandez, Alejandro Garcia del Valle, Javier Belloso

3 - Chance-constrained Stochastic Programming Model For Locating Charging Stations Under Uncertainty In Green Power Availability
Sudipta Chowdhury, Mississippi State University, sc2603@msstate.edu, Mohannad Kabli, MD Abdul Quddus, Mohammad Marufuzzaman

4 - A Stochastic Programming Approach For Ev Charging Station Expansion Plans
Mohannad Kabli, MSU, mrk297@msstate.edu, MD Abdul Quddus, Mohammad Marfuzzaman

■ WC60

Cumberland 2- Omni

Prescriptive Analytics for Transportation and Inventory

Sponsored: TSL, Freight Transportation & Logistics

Sponsored Session

Chair: Wesley Dyk, Revonos, Lone Tree, CO, United States, wesley.dyk@revonos.com

Co-Chair: Alexander Engau, University of Colorado Denver, NA, Denver, CO, United States, alexander.engau@ucdenver.edu

1 - Stochastic Liquid Inventory Management For Transportation And Logistics
Alexander Engau, Associate Professor, University of Colorado Denver, Denver, CO, United States, aengau@alumni.clemson.edu, Wesley Dyk

2 - Network Flow Relaxations For Batched Transportation Models
Wesley Dyk, Revonos, wesley.dyk@revonos.com, Alexander Engau

3 - Adaptive Robust Optimization For Tactical Vehicle Routing Problems
Anirudh Subramanyam, Carnegie Mellon University, Pittsburgh, PA, United States, asubramanyam@cmu.edu, Frank Mufalli, Jose M Pinto, Chrysanthos E Gounaris

4 - Analytics For Logistics Supply Chain: An Overview And Research Outlook
M. Ali Ulku, Rowe School of Business, Dalhousie University, Halifax, NS, Canada, ulku@dal.ca

■ WC61

Cumberland 3- Omni

Yard and Terminal Operations

Sponsored: Railway Applications

Sponsored Session

Chair: Tyler Dick, University of Illinois, Urbana, IL, United States, ctdick@illinois.edu

1 - Switch-it; A New Yard Modeling Tool
Chip Kraft, Transportation Economics & Management Systems, Inc., ckraft@temsinc.com

2 - Animation Of Switch-it Analysis Using Anylogic
Roger William Baugher, President, TrAnalytics, LLC, 100 Villamoura Way, Johns Creek, GA, 30097, United States, rwbaugher@aol.com

3 - Blocking Capacity, Throughput Volume And Level Of Service In Hump Classification Yards
Tyler Dick, University of Illinois, ctdick@illinois.edu

4 - Boston North Terminal District: Infrastructure Demand Modeling And Improvements
Bradford Kippen, University of Illinois, Urbana, IL, 61801, United States, kippen2@illinois.edu

■ WC63

Cumberland 5- Omni

New Objectives and Solution Concepts in Location Analysis

Sponsored: Location Analysis

Sponsored Session

Chair: Dmitry Krass, University of Toronto, 105 St. George St., Toronto, ON, M5S 3E6, Canada, krass@rotman.utoronto.ca

1 - Correct Discounted Costs In Hub Location Models
Vladimir Marianov, Pontificia Universidad Catolica de Chile, marianov@ing.puc.cl, H.A. Eiselt, Armin Luer-Villagra

2 - Multi-objective Single Median Models
Joyendu Bhadury, University of North Carolina-Greensboro, NC, j_bhadur@uncg.edu, HA Eiselt

■ WC65

Mockingbird 1- Omni

Health IT

Sponsored: Information Systems

Sponsored Session

Chair: Changmi Jung, Johns Hopkins University, Johns Hopkins University, Baltimore, MD, 21202, United States, changmi@jhu.edu

1 - Analyzing Interactions Between Social And Technical Systems: A Retrospective Study In The Pediatric Environment
Yi-Chin Kato-Lin, Hofstra University, Hempstead, NY, United States, YiChin.Lin@hofstra.edu

2 - Dynamics Of Social Influence On New Employees' Use Of Volitional Is: m-EHR Case In Hospital Setting
Sanghee Lim, The Johns Hopkins University Carey Business School, 100 International Drive, Baltimore, MD, United States, lim.sanghee@jhu.edu, Juntae Kim, Byungtae Lee, Jae-ho Lee, Yura Lee

3 - Does Health Information Technology Change The Prospect Of Continuity Of Care?
Changmi Jung, Johns Hopkins University, changmi@jhu.edu

■ WC66

Mockingbird 2- Omni

Novel Approaches in Reliability Modeling and Analysis

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Tugce Martagan, Eindhoven University of Technology, P.O. Box 513 5600 MB, Eindhoven, N/A, Netherlands, t.g.martagan@tue.nl

Co-Chair: Murat Kurt, Merck & Co., Inc., TBD, North Wales, PA, 19454, United States, murat.kurt7@gmail.com

1 - Reliability Sensitivity Analysis Based On Kriging Metamodel And Importance Sampling
Juan Wang, Nanjing University of Science and Technology, dongzao1115@gmail.com

2 - Optimize The Prognostic Performance Of Data-level Fusion Approach
Changyue Song, University of Wisconsin - Madison, Madison, WI, United States, csong39@wisc.edu, Kaibo Liu

3 - Optimal Reliability And Commonality In Component Design: A Service Logistics Perspective
Geert-Jan van Houtum, Eindhoven University of Technology, Eindhoven, Netherlands, G.J.v.Houtum@tue.nl, Joni Driessen, Joachim Jacob Arts

4 - Economic Design Of Run To Failure Binary State K Out Of N Systems With Identical Components And Geometrically Distributed Lifetimes
Tugce Martagan, Eindhoven University of Technology, t.g.martagan@tue.nl, Murat Kurt

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Mockingbird 3- Omni

Decision Models in Risk, Reliability and Maintenance

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Adiel T. de Almeida-Filho, Assistant Professor, Universidade Federal de Pernambuco, Caixa Postal 7471, Cordeiro, Recife, 50630971, Brazil, adieltaf@googlemail.com

1 - Data Fusion For Degradation Modeling In Multi-edged Machining Processes
Wenmeng Tian, Virginia Tech, 250 Durham Hall, Blacksburg, VA, 24061, United States, tian0414@vt.edu, Jaime Camelio

2 - An MCDM Model For Maintenance Outsourcing
Felipe Macedo de Morais Pinto, Universidade Federal de Pernambuco, Recife, 50630971, Brazil, felipe_mmp94@hotmail.com, Adiel Teixeira De Almeida Filho

3 - A Multicriteria Decision Model To Support Maintenance Planning In An Electrical Power Distribution Company
Adiel Teixeira de Almeida-Filho, Assistant Professor, Universidade Federal de Pernambuco, Recife, 50630971, Brazil, adieltaf@cdsid.org.br, Rodrigo J Ferreira, Ana Paula Cabral Seixas Costa, Adiel Teixeira de Almeida

■ WC68

Mockingbird 4- Omni

Design and Modeling for Quality Improvements

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Hongyue Sun, Virginia Tech, Blacksburg, VA, United States, hongyue@vt.edu

1 - Economic Parameter Design In Laser Micro-Drilling Process Considering Quality Loss And Rejection Cost
Jianjun Wang, Nanjing University of Science and Technology, wangjj0818@163.com

2 - Experimental Design And Parameter Optimization Of Multi-extremum Process
Qing'an Cui, Professor, Zhengzhou University, Zhengzhou, 455000, China, cuiqa@zzu.edu.cn

3 - Service Quality Variation And Customers Behavior Intention
Jianlan Zhong, Fujian Agriculture and Forestry University, Fuzhou, China, zhongjianlan_29@163.com

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Old Hickory- Omni

Telecommunications Modeling

Sponsored: Telecommunications

Sponsored Session

Chair: Michael R. Bartolacci, Associate Professor of IST, Penn State University - Berks, 2080 Tulpehocken Road, Reading, PA, 19610, United States, mrb24@psu.edu

Co-Chair: Stanko Dimitrov, University of Waterloo, Waterloo, ON, Canada, sdimitrov@waterloo.ca

1 - Modeling Dense Human Centric Iot Networks
Albena Mihovska, Aalborg University, albena@es.aau.dk

2 - Generalized Local Branching: An Application To Capacitated Ring Tree Problems
Stefan Voss, Professor, Director Institute of Inf. Systems, University of Hamburg, IWI - Von-Melle-Park 5, Hamburg, 20146, Germany, stefan.voss@uni-hamburg.de, Alessandro Hill

3 - A Satellite Detection And Ranging System For Diurnal Atmospheric Survey
Yupo Chan, University of Arkansas - Little Rock, Little Rock, AR, United States, yxchan@ualr.edu, A. S. M. Sarwar Zahan, Po-Hao Adam Huang, Edmond W. Wilson

■ WC70

Acoustic- Omni

Transportation, Ops III

Contributed Session

Chair: Luis J. Novoa, The George Washington University, 2201 G Street, NW, Funger Hall, Washington, DC, 20052, United States, ljnovoa@gwu.edu

1 - Beating Reservation Anxiety: Flexible Online Location-based Service Reservation
Xin Wang, University of Wisconsin-Madison, 1513 University Avenue, 3258 Mechanical Engineering Bldg, Madison, WI, 53706, United States, xin.wang@wisc.edu, Xiaotian Wang

2 - Monthly-card Management Policy For Office Building Parking Under Different Commuting Traffic Characteristics In Metropolises Of China
Kaifeng Ji, Phd Candidate, Tsinghua University, Graduate School in Shenzhen of Tsinghua University, Shenzhen, 518000, China, 359067080@qq.com

3 - Revenue Management In Synchromodal Container Transportation
Rommert Dekker, Professor of Quantitative Logistics, Erasmus University-Rotterdam, Burg. Oudlaan 50, Po Box 1738, Rotterdam, 3000 DR, Netherlands, rdekker@ese.eur.nl, Bart Riessen

4 - Loss Aversion And Subsidy Design In Bot Road Projects
Yiwen Zhang, Tianjin University, 92 Weijin Rd, Nankai District, Tianjin, P.R., 300072, China, zhangyiwen@tju.edu.cn, Shuibo Zhang, Zhuo Feng

5 - Optimizing Daily Service Routes For Major Grocery Chains
Luis J. Novoa, The George Washington University, 2201 G Street, NW, Funger Hall, Washington, DC, 20052, United States, ljnovoa@gwu.edu, Ahmad I Jarrah, Jonathan F Bard, Sifeng Lin, Xinhui Zhang

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Electric- Omni

Game Theory III

Contributed Session

Chair: Ying Zhang, University of North Carolina-Chapel Hill, 116 Saint Andrews Ln., Chapel Hill, NC, 27517, United States, Ying_Zhang@kenan-flagler.unc.edu

1 - Applicability Of The Proportional Nucleolus In Cooperative Games Based Highway Cost Allocation
Saurav Kumar Dubey, PhD Student, University of Tennessee, 1615 Laurel Avenue, Box 203, Knoxville, TN, 37916, United States, skumardu@vols.utk.edu, Alberto Garcia-Diaz

2 - Locating Warehouse In An Emerging Country A Win Win Proposition
Ying Zhang, University of North Carolina-Chapel Hill, 116 Saint Andrews Ln., Chapel Hill, NC, 27517, United States, Ying_Zhang@kenan-flagler.unc.edu, Jayashankar M Swaminathan

■ WC72

Bass- Omni

Supply Chain Mgt XV

Contributed Session

Chair: Ping Su, Assistant Professor, Hofstra University, Frank Zarb School of Business, Hofstra University, Hempstead, NY, 11549, United States, Ping.Su@hofstra.edu

1 - Towards Supply Chain Information Flow Theory
Abdurrezzak Sener, PhD Student, Wichita State University, 1845 Fairmount St, Wichita, KS, 67260, United States, axsener@wichita.edu, Mehmet Barut, Mehmet B Yildirim

2 - Debt Financing And Supply Chain Competition
Ping Su, Assistant Professor, Hofstra University, Frank Zarb School of Business, Hofstra University, Hempstead, NY, 11549, United States, Ping.Su@hofstra.edu, Joice (Qiaohai) Hu

■ WC73

Legends A- Omni

Operations Management VII

Contributed Session

1 - Seller Response To Customer-driven Substitution
Secil Savasaneril, Associate Professor, Middle East Technical University, Orta Dogu Teknik Universitesi End. Muhendisligi, Dumlupinar Bulvari No:1, Dumlupinar Bulvari No:1, 06800, Turkey, ssecil@metu.edu.tr, Nursen Tore

2 - Mechanism Design With Heterogeneous Agent Demand Profiles: Applications To Carbon Capture And Storage(ccs)
Wenbo (Selina) Cai, New Jersey Institute of Tech, Mec 308, University Heights, Newark, NJ, 07102, United States, cai@njit.edu, Dashi Singham

■ WC74

Legends B- Omni

Ops Mgt/Marketing III

Contributed Session

Chair: Xiuli He, Associate Professor, UNC-Charlotte, 1207 Doughty Place, Sugar Land, TX, 77479, United States, xhe8@uncc.edu

1 - Selling To An Off-price Retailer To Ration Inventory For Strategic Consumers
Moutaz J Khouja, University of North Carolina-Charlotte, BISOM Department, College of Business, Charlotte, NC, 28223, United States, mjkhouja@uncc.edu, Jing Zhou, Xin Liu

2 - Multi-agent Salesforce Compensation With Supply Chain Considerations
Sandra Transchel, Kuehne Logistics University, Grosser Grasbrook 17, Hamburg, 20457, Germany, Sandra.Transchel@the-klu.org, Kristoph Kurt Reinhard Ullrich, Ruud Teunter, Jasper Veldman

3 - Vegetable Equity: Insights From Agri-food Supply Chain Innovations In Emerging Economies
Fei Qin, Assistant Professor, Oakland University, 2200 North Squirrel Road, Rochester, MI, 48309-4401, United States, qinfei99@gmail.com, Saibal Ray, Mehmet Gumus

4 - Personal Fabrication
Nagarajan Sethuraman, PhD Student, University of North Carolina, Chapel Hill, NC, 27514, United States, Nagarajan_Sethuraman@kenan-flagler.unc.edu, Ali Kemal Parlakturk, Jayashankar M Swaminathan

5 - Product Quality Strategy With Consumer Heterogeneity Of Technology Platform
Xiuli He, Associate Professor, UNC-Charlotte, 1207 Doughty Place, Sugar Land, TX, 77479, United States, xhe8@uncc.edu, Yong Zha, Subodha Kumar, Lu Zhang

■ WC75

Legends C- Omni

Economics III

Contributed Session

Chair: Dowon Kim, KAIST, Guseng Dong, Daejeon, Korea, Republic of, kimdowon@kaist.ac.kr

2 - Optimal Subsidy And Tax Policy And Consumer Environmental Awareness
Jie Zhang, University of Texas, 701 South West Street, Arlington, TX, 76019, United States, jiezhang@uta.edu, Linghong Zhang

3 - The Effect Of Agricultural Subsidy Policy on The Land Scale Management Of Farmers
Xuechen Meng, Tongji University, 1239 Siping Road, Shanghai, China, xuechenmeng@126.com

4 - Discounting Long-term Public Investments Under Model Uncertainty
Dowon Kim, PhD Student, KAIST, Guseng Dong, Daejeon, Korea, Republic of, kimdowon@kaist.ac.kr, Kyoung-Kuk Kim, Jiwoong Lee

■ WC76

Legends D- Omni

Applied Probability III

Contributed Session

Chair: Kaan Kuzu, Assistant Professor, Univ of Wisconsin - Milwaukee, Sheldon B Lubar School of Business, P.O. Box 742, Milwaukee, WI, 53201-0742, United States, kuzu@uwm.edu

1 - Non Stationary Gaussian Process Bandits
Ankur Mani, University of Minnesota, 808 Berry St. Apt. 410, St. Paul, MN, 55114, United States, amani@umn.edu, Ashish Kapoor, Eric Horvitz

2 - Valuing Optimal Switching Options With The Moving-boundary Method
Arun Chockalingam, Eindhoven University of Technology, Hoog Gagel 62, Eindhoven, 5611BG, Netherlands, a.chockalingam@tue.nl, Taimaz Soltani, Shaunak Dabadghao, Jan C Fransoo

4 - Random Dimensional Spaces
Kemal Gursoy, Professor, Rutgers University, 100 Rockafeller Road, Room 5146, Piscataway, NJ, 08854, United States, kgursoy@rci.rutgers.edu

5 - Analysis Of Customer Abandonment In Ticket Queues: A Bayesian Approach
Kaan Kuzu, Assistant Professor, Univ of Wisconsin-Milwaukee, Sheldon B Lubar School of Business, P.O. Box 742, Milwaukee, WI, 53201-0742, United States, kuzu@uwm.edu, Refik Soyer

■ WC77

Legends E- Omni

Opt, Large Scale I

Contributed Session

Chair: Gerdus Benade, Carnegie Mellon University, 6235 Fifth Avenue, Apt B17, Pittsburgh, PA, 15232, United States, gerdusbenade@gmail.com

1 - An Agglomerative Clustering Based Large-Scale Minimum Cost Flow Algorithm
Yuan Zhou, PhD Candidate, University of Memphis, 174 Windover Cove, Apt 3, Memphis, TN, 38111, United States, yuanzhou0924@gmail.com, Stephanie Ivey

2 - Large Scale Scheduling Problems On Internet Of Things
Carlos Eduardo De Andrade, Senior Inventive Scientist, AT&T Labs Research, 200 S Laurel Avenue, Room A5-1E33, Middletown, NJ, 07748, United States, cea@research.att.com

3 - Optimum Product Introduction And Strategic Capacity Planning Including Demand And Price Cannibalization
Gorkem Yilmaz, Assistant Professor, Ozyegin University, Cekmekoy, Istanbul, 34794, Turkey, gorkem.yilmaz@ozyegin.edu.tr, Amaia Lusa Garcia, Ernest Benedito

4 - Benders Decomposition And Column-and-row Generation For Solving Large-scale Linear Programs With Column-dependent-rows
Kerem Bulbul, Associate Professor, Sabanci University, Faculty of Engineering & Natural Sciences, Orhanli, Tuzla, Istanbul, 34956, Turkey, bulbul@sabanciuniv.edu, Ilker S Birbil, Ibrahim Muter

5 - The Branching Dual Of A Discrete Optimization Problem
Gerdus Benade, Carnegie Mellon University, 6235 Fifth Avenue, Apt B17, Pittsburgh, PA, 15232, United States, gerdusbenade@gmail.com, John Hooker

■ WC78

Legends F- Omni

Health Care, Modeling

Contributed Session

Chair: Harshal Lowalekar, Indian Institute of Management-Indore, Prabandh Shikhar, Rau-Pithampur Road, Indore, 453331, India, lwlherschelle@gmail.com

1 - A Microsimulation Cost-effectiveness Analysis Of Nalmefene To Reduce Heavy Alcohol Consumption In An Alcohol-dependent Canadian Population
Estefania Ruiz Vargas, Ivey Business School, 1255 Western Rd, London, ON, N6G 0N1, Canada, eruizvar@uwo.ca, Richard Zur, Greg Zaric

2 - Managing A Multi-physician Clinic With Heterogeneous Patients
Wen-Ya Wang, San Jose State University, San Jose, CA, United States, wenya.wang@sjsu.edu, Hao-Wei Chen

3 - A Markovian Model For Blood Components Production System
Harshal Lowalekar, Indian Institute of Management-Indore, Prabandh Shikhar, Rau-Pithampur Road, Indore, 453331, India, lwlherschelle@gmail.com

■ WC79

Legends G- Omni

Opt, Combinatorial I

Contributed Session

Chair: Christopher John Wishon, Ph.D. Candidate, Arizona State University, Tempe, AZ, United States, cwishon@asu.edu

1 - Reformulation-linearization Technique Application On Integer Programming Models For Organ Exchange Program
Seokhyun Chung, Korea University, Seoul, Korea, Republic of, tcheong@korea.ac.kr, Junsang Yuh, Taesu Cheong

2 - Solution Approaches To Network Design Problems With Decision Dependent Uncertainty
Nathaniel Richmond, University of Iowa, 446 4th Avenue, Iowa City, IA, 52241, United States, nathaniel-richmond@uiowa.edu, Pavlo A Krokhmal, Dmytro Matsypura

3 - A New Mathematical Formulation For Choice-based Optimization Problems
Shadi Sharif Azadeh, Ecole Poloytechnique Federale de Lausanne, 38 Route de la Condemine, Lausanne, 1030, Switzerland, shadi.sharifazadeh@epfl.ch, Meritxell Pacheco, Michel Bierlaire

4 - Microsoft Excel Evolutionary Solver And Resource Constrained Project Scheduling
Norbert Trautmann, Professor, University of Bern, FM Quantitative Methoden, Schuetzenmattstrasse 14, Bern, 3012, Switzerland, norbert.trautmann@pqm.unibe.ch, Mario Gnägi

5 - An Exact Algorithm For The Demand Constrained 0-1 Knapsack Problem
Christopher John Wishon, PhD Candidate, Arizona State University, Tempe, AZ, United States, cwishon@asu.edu, J. Rene Villalobos

■ WC80

Broadway E- Omni

Health Care, Public III

Contributed Session

Chair: Philip F. Musa, Associate Professor and Programs Director, The University of Alabama at Birmingham (UAB), P.O. Box 55544, Birmingham, AL, 35255, United States, musa@uab.edu

1 - Micro-decision Patterns In Prescription Data: An Investigation Of Local And Non-communicable Diseases Among Vertically Differentiated Social
W. Art Chaovalitwongse, University of Arkansas, Fayetteville, AR, Contact: artchao@uark.edu, Praowpan Tansitpong, Apirak Hoonlor

2 - Minimizing Radiology Error By Improving Staff Scheduling
Mahdi Nasereddin, Penn State- Berks, Tulpehocken Road, P.O. Box 7009, Reading, PA, 19610-6009, United States, mxn16@psu.edu, Michael Bartolacci, Michael Bruno

3 - Evaluating Policy Options For Improving Access To Dental Care For Children In Georgia
Benjamin Johnson, Georgia Institute of Technology, 3245 Wellbrook Drive, Loganville, GA, 30052, United States, benjohnson@gatech.edu, Nicoleta Serban, Paul Griffin, Susan Griffin

4 - Obesity In Africa: The Ultimate Black Belt Region Bursting At The Seams
Philip F. Musa, Associate Professor and Programs Director, The University of Alabama at Birmingham (UAB), P. O. Box 55544, Birmingham, AL, 35255, United States, musa@uab.edu

■ WC81

Broadway F- Omni

Opt, Integer Programming I

Contributed Session

Chair: Vishnu Vijayaraghavan, Texas A&M University, 400 Nagle Street, College Station, TX, 77840, United States, vishnunitr@tamu.edu

1 - A Branch-and-cut Algorithm Using Two-period Relaxations For Big-bucket Lot-sizing Problems
Kerem Akartunali, Senior Lecturer, Strathclyde Business School, Dept. of Management Science, University of Strathclyde, Glasgow, G4 0GE, United Kingdom, kerem.akartunali@strath.ac.uk, Mahdi Doostmohammadi, Ioannis Fragkos

2 - Prescriptive Analytics To Improve E-warehouse Operations
Fatma Gzara, Associate Professor, University of Waterloo, 200 University Avenue W, Waterloo, ON, N2V 2N1, Canada, fgzara@uwaterloo.ca

3 - Finding Optimal Solutions For Emergency Evacuation By A Dynamic Programming Approach Based On State-space-time Network Representation
Lei Bu, Institute for Multimodal Transportation, Jackson, MS, United States, leibu04168@gmail.com, Feng Wang, Xuesong Zhou

4 - A Modified Cutting Plane Algorithm For Inverse Mixed Integer Linear Programming Problems
Vishnu Vijayaraghavan, Texas A&M University, 400 Nagle Street, College Station, TX, 77840, United States, vishnunitr@tamu.edu, Kiavash Kianfar, Andrew J Schaefer

■ WC82

Broadway G- Omni

Networks and Graphs III

Contributed Session

Chair: Monica Gentili, IPAT, Georgia Institute of Technology, 75 5th Street NW, Suite 600, Atlanta, GA, 30308, United States, mgentili@unisa.it

1 - The Impact Of Visual Aesthetics On The Utility, Affordance, And Readability Of Network Graphs
Patrick Michael Dudas, Faculty Research Associate, Pennsylvania State University, 691 Wiltshire Drive, State College, PA, 16803, United States, pmd19@psu.edu

2 - An Algorithm To Design LDPC Codes With Low Error Floor In Communication Systems
Banu Kabakulak, Bogazici University, Istanbul, Turkey, banu.kabakulak@boun.edu.tr, Z. Caner Ta kın, Ali Emre Pusane

3 - Critical Effect Of Dependence Clusters On Cascading Failures In Network Systems
Jian Zhou, PhD Student, Rutgers University, Bevier Road, Buell Apt, 0378, 2145 Bpo Way, Piscataway, NJ, 08854, United States, zhoujian977913@gmail.com, Ning Huang, David W Coit

4 - The Interval Transportation Problem
Monica Gentili, Associate Professor, University of Louisville, 132 Eastern Parkway, Louisville, KY, 40205, United States, monica.gentili@louisville.edu, Raffaele Cerilli, Ciriaco D'Ambrosio

■ WC83

Broadway H- Omni

Supply Chain Optimization III

Contributed Session

Chair: Ethan Malinowski, University at Buffalo, 8 Affinity Lane, Apt 251E, Buffalo, NY, 14215, United States, ejmalino@buffalo.edu

1 - Stochastic Models For Strategic Sourcing In Energy Industry
Ashesh Kumar Sinha, University of Wisconsin-Madison, 1402 Regent St Apt 731A, Madison, WI, 53711, United States, ashesh.sinha24@gmail.com, Ananth Krishnamurthy

2 - A Joint Supplier Selection And Lot-sizing Problem With Quality Constraint Under An All-unit Discount Environment
Xin Li, Pennsylvania State University, University Park, PA, 16802, United States, xzl118@psu.edu, Jose Antonio Ventura, M. Jeya Chandra

3 - Liquid Helium Global Supply Chain Modeling And Optimization
Ethan Malinowski, University at Buffalo, 8 Affinity Lane, Apt 251 E, Buffalo, NY, 14215, United States, ejmalino@buffalo.edu, Mark Karwan, Banu Gemici-Ozkan, Jose M Pinto

■ WC84

Broadway J- Omni

Supply Chain, Risk III

Contributed Session

Chair: Irina Dolinskaya, Northwestern University, 2145 Sheridan Road, Tech Institute, M235, Evanston, IL, 60208-3119, United States, dolira@northwestern.edu

1 - A Robust Decision-Making In a Supply Chain Under Disruption Risks
Tadeusz J Sawik, Professor and Chair, AGH University of Science & Technology, Al. Mickiewicza 30, Krakow, 30059, Poland, sawik@zarz.agh.edu.pl

2 - Investigating WOMs Behind Crisis: Contingent Negative Spillover Effect In Supply Chain Partnership
Xiaolun Wang, PhD Candidate, Fudan University, 670 Guoshun Road, Yangpu District, Shanghai, 200433, China, wangxiaolun@fudan.edu.cn, Cenying Yang, Cheng Zhang

3 - Supplier Assessment Policies In Total Cost Auctions
Karca Aral, Asst. Professor, Syracuse University, 721 University Avenue, Syracuse, NY, 13244, United States, kdaralwa@syr.edu

4 - A Data Driven Approach To Managing Food Safety In Global Supply Chains
Amine Anoun, PhD Student, Massachusetts Institute of Technology, 273 Cardinal Medeiros Ave, Apt 2, Cambridge, MA, 02141, United States, aanoun@mit.edu

5 - Humanitarian Medical Supply Chain In Disaster Response: Role And Challenges
Irina Dolinskaya, Northwestern University, 2145 Sheridan Road, Tech Institute, M235, Evanston, IL, 60208-3119, United States, dolira@northwestern.edu, Maria Besiou, Sara Guerrero-Garcia

■ WC85

Broadway K- Omni

Sustainability III

Contributed Session

Chair: Lu Xu, MBA, Doctoral Student, UNT, 1307 West Highland Street, Denton, TX, 76201, United States, lu.xu@unt.edu

1 - Dynamic Eco-efficiency Assessment For Supplier Selection And Monitoring
Aineth Torres-Ruiz, Tecnológico de Monterrey, Guadalajara, Mexico, atorresr@itesm.mx

2 - Research In Corporate Social Responsibility: A Bibliometric Analysis
Jose M. Merigo, University of Chile, Av. Diagonal Paraguay 257, Santiago, 8330015, Chile, jmerigo@fen.uchile.cl, Verónica Pizarro, Leslier Valenzuela

3 - How Social Image Investment Pays Off In A Supply Chain
Wenqing Zhang, University of Minnesota - Duluth, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN, 55812, United States, zhangwenqing@gmail.com, Chiang Chung-Yean

4 - A Model For Integrating Remanufacturing And Product Service System (PSS) During Product Development Stage
Johnson Adebayo Fadeyi, Wayne State University, 690 Martin Luther King Jr. Blvd-Apt 2005, Detroit, MI, 48201, United States, kontaktjohnson@gmail.com, Leslie Monplaisir

5 - Environmentally Friendly Car Purchase Intention In The United States
Lu Xu, MBA, Doctoral Student, UNT, 1307 West Highland Street, Denton, TX, 76201, United States, lu.xu@unt.edu, Victor R Prybutok

■ WC88

Broadway B-Omni

Military Applications III

Contributed Session

Chair: Nelson Christie, Rutgers University, Princeton, NJ, 8540, United States, christie.l.nelson.phd@gmail.com

1 - End-of-life Inventory Control Of Aircraft Spare Parts Under Performance Based Logistics Environment
Mansik Hur, Visiting Researcher, The University of Alabama, Tuscaloosa, AL, 35487, United States, mhur@crimson.ua.edu, Burcu Keskin, Charles Schmidt

2 - Game-Theoretic Models For Locating Camera Towers In Urban Areas And Scheduling Surveillance
Javier Salmeron, Naval Postgraduate School, Operations Research Dept, Monterey, CA, 93943, United States, jsalmero@nps.edu, Kevin Wood

3 - Air And Missile Defense Integration Challenges
George E Mayernik, Raytheon Integrated Defense Systems, 235 Presidential Way, Mailstop 26/5445, Woburn, MA, 01801, United States, George_E_Mayernik@raytheon.com, Christopher M Menard

4 - The Impact Of Data Quality: A Study On The Coast Guard's Data
Nelson Christie, Rutgers University, Princeton, NJ, 08540, United States, christie.l.nelson.phd@gmail.com

■ WC89

Broadway C-Omni

Large-Scale Optimization in Transportation

Sponsored: TSL, Intelligent Transportation Systems (ITS)

Sponsored Session

Chair: Velibor Misic, Massachusetts Institute of Technology, Massachusetts Avenue, Cambridge, MA, 02139, United States, vvmisic@mit.edu

1 - Planning Optimization For Integrated Transportation Systems
Bradley Sturt, Massachusetts Institute of Technology, Massachusetts Avenue, Cambridge, MA, 02139, United States, bsturt@mit.edu, Dimitris Bertsimas, Sebastien Martin, Yee Sian Ng, Julia Yan

2 - From Physical Properties Of Transportation Flows To Demand Predictions: An Optimization Approach
Julia Y. Yan, Massachusetts Insitute of Technology, Massachusetts Avenue, Cambridge, MA, 02139, United States, jyyan@mit.edu, Dimitris Bertsimas

3 - Online Taxi Routing In New York City
Sebastien Martin, Massachusetts Institute of Technology, Massachusetts Avenue, Cambridge, MA, 02139, United States, semartin@mit.edu, Dimitris Bertsimas, Patrick Jaillet

4 - A Modern Optimization Approach To The Airlift Planning Problem For The United States Transportation Command (USTRANSCOM)
Velibor Misic, Massachusetts Institute of Technology, Massachusetts Avenue, Cambridge, MA, 02139, United States, vvmisic@mit.edu, Dimitris Bertsimas, Allison An Chang, Nishanth Mundru

■ WC90

Broadway D-Omni

Health Care, Modeling XV

Contributed Session

Chair: Shanshan Wang, PhD Candidate, Beijing Institute of Technology, 5 southstreet Zhongguancun, Haidian District, Beijing, 100081, China, shshwang_bit@163.com

1 - Safety Stock For Blood Products With Short Shelf Life
Christine Pitocco, Research Professor, Stony Brook University, 202 Harriman Hall, Harriman Hall Room 202, Stony Brook, NY, 11794-3775, United States, christine.pitocco@stonybrook.edu, Katsunobu Sasanuma

2 - Facility Location Problem For Stochastic Mixed-integer Programming In Healthcare
Mengnan Chen, University of Central Florida, 12800 Pegasus Drive, PO Box 162993, Orlando, FL, 32816-2993, United States, cmn891127@knights.ucf.edu, Qipeng Zheng

3 - Test Modality Capacity Simulation: A Nuclear Medicine Radiology Assessment
Haris Ackerman, Management Engineer, Virtua Health, 303 Lippincott Drive, Marlton, NJ, 08053, United States, hackerman@virtua.org, Mojisola Otegbeye, Hala Sweidan

4 - Outpatient Appointment Scheduling And Sequencing Model With Uncertain Service Time And Correlation
Shanshan Wang, PhD Candidate, Beijing Institute of Technology, 5 Southstreet Zhongguancun, Haidian District, Beijing, 100081, China, shshwang_bit@163.com, Jinlin Li, Chun Peng

Wednesday, 2:45PM - 4:15PM

■ WD01

101A-MCC

Data Mining Application in Business

Sponsored: Data Mining

Sponsored Session

Chair: Parvaneh Jahani, University of Louisville, 781 Theodore Burnett Court, Apt 2, Louisville, KY, 40217, United States, parvaneh.jahani@louisville.edu

1 - Machine Learning And Cognitive Pricing
Zhengliang Xue, IBM Research Center, 1101 Kitchawan Road, Route 134, Yorktown Heights, NY, 10598, United States, zxue@us.ibm.com, Markus Ettl

2 - Investigating Sparse Demand Models To Support The Assortment Planning Decision
Matthew Lanham, Purdue University, West Lafayette, IN, 47905, United States, malanham@gmail.com, Ralph D Badinelli

■ WD02

101B-MCC

Decision Analysis in Health Care Data Mining

Sponsored: Data Mining

Sponsored Session

Chair: Diego Martinez, Johns Hopkins University, 1, Baltimore, MD, 212, United States, dmart101@jhmi.edu

1 - Multiscale Decision Making Based on Variational Evidential Reasoning For Medical Record Label Recommendation
Haiyan Yu, Lecturer, Chongqing University of Posts and Telecommunications, 2 Chongwen Road, Nan'an District, Chongqing, P.R.C, 400065, China, yhy188@tju.edu.cn Haiyan Yu, Lecturer, University of Electronic Science and Technology of China, Chengdu, China, yhy188@tju.edu.cn, Man Xu, Jiang Shen

2 - Using Matrix-based Multi-criteria Decision Method For Assessing Risk Of Harm Of Alert-overridden Intravenous Infusions
Wan-Ting Su, PhD Student, Purdue Univeristy, West Lafayette, IN, United States, su33@purdue.edu, Poching DeLaurentis, Mark Lehto

3 - Control System For Electronic Triage In The Emergency Department: Integrating The User Into Development Loop
Diego A. Martinez, Johns Hopkins School of Medicine, Baltimore, MD, 21201, United States, dmart101@jhmi.edu, Scott R Levin

■ WD03

101C-MCC

Big Data IV

Contributed Session

Chair: Wenbo Sun, University of Michigan, 2013 Medford Rd Apt 161, Ann Arbor, MI, 48104, United States, sunwbgt@umich.edu

1 - A Revaluation Of The Relationship Between Environmental Management And Financial Performance – A Multilevel Longitudinal Analysis
Zuoming Liu, Lynchburg College, 1501 Lakeside Drive, School of Business & Economics, Lynchburg, VA, 24501, United States, lzuoming@gmail.com

2 - A Class Of First Order Methods That Do Not Rely On Any Norm
Haihao Lu, PhD Student, MIT, 60 Wadsworth St, Apt 8B, Cambridge, MA, 02142, United States, haihao@mit.edu, Yurii Nesterov, Robert Michael Freund

3 - A Method For Developing Confidence Bands For Multiple Dimensional Functional Responses
Wenbo Sun, University of Michigan, 2013 Medford Rd Apt 161, Ann Arbor, MI, 48104, United States, sunwbgt@umich.edu, Jionghua Jin

■ WD04

101D-MCC

Robust and Stochastic Optimization for Energy Systems

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Andy Sun, Georgia Institute of Technology, 755 Ferst Dr, Atlanta, GA, 30312, United States, andy.sun@isye.gatech.edu

1 - Robust Optimization For The Alternating Current Optimal Power Flow Problem
Alvaro Lorca, Georgia Institute of Technology, alvarolorca@gatech.edu, Andy Sun

2 - Comparison Of Stochastic Programming And Robust Optimization For Risk Management In Energy Generation
Ricardo M Lima, KAUST, Thuwal, Saudi Arabia, ricardo.lima@kaust.edu.sa, Sabique Langodan, Ibrahim Hoteit, Omar Knio, Antonio J. Conejo

3 - Risk-constrained Optimal Power Flow With Moment And Unimodality Information
Bowen Li, University of Michigan, Ann Arbor, MI, United States, libowen@umich.edu, Ruiwei Jiang, Johanna Mathieu

4 - An Efficient Robust Solution To The Two-stage Stochastic Unit Commitment Problem
Ignacio Blanco, PhD Student, Technical University of Denmark, Kgs. Lyngby, 2800, Denmark, igbl@dtu.dk, Juan M Morales Gonzalez

■ WD05

101E-MCC

Wildland Fire Management I - Suppression

Sponsored: Energy, Natural Res & the Environment II Forestry

Sponsored Session

Chair: Eghbal Rashidi, Mississippi State University, Industrial & Systems Engineering, Mississippi State University, MS, 39762, United States, er442@msstate.edu

1 - Vulnerability Analysis Of The Initial Attack In Suppressing The Worst Case Wildfires
Eghbal Rashidi, Mississippi State University, er442@msstate.edu, Hugh Medal

2 - An Optimization Model For Wildfire Suppression
Andres L Medaglia, Professor and Chair, Universidad de los Andes, Cr 1 este #19 A 40, ML708, Bogota, Cundinamarca, 111711, Colombia, amedagli@uniandes.edu.co

■ WD06

102A-MCC

Optimization in Data Mining 1

Sponsored: Data Mining

Sponsored Session

Chair: Orestis Panagopoulos, 9303 Nelson Park Circle, Apt 204, Orlando, FL, 32817, United States, ore.pan@hotmail.com

1 - New Developments Of L1 Splines: Fast Computation And Shape-preserving Capability
Ziteng Wang, Assistant Professor, Northern Illinois University, DeKalb, IL, United States, th2168@gmail.com

2 - Probing The Pareto Frontier Of Computational Statistical Tradeoffs
Zhaoran Wang, Princeton University, Princeton, NJ, 08540, United States, zhaoran@princeton.edu

■ WD07

102B-MCC

Predictive Analysis and Applications in Data Mining

Sponsored: Data Mining

Sponsored Session

Chair: Juxihong Julaiti, Penn State University, 445 Waupelani Drive, Apt J1, State College, PA, 16801-4445, United States, juxihongjulaiti1225@gmail.com

1 - Proactive Data: A Rich Source Of Occupational Accident Prediction
Jhareswar Maiti, Professor, IIT, Kharagpur, Kharagpur, 721302, India, jhareswar.maiti@gmail.com, Sobhan Sarkar, Saicharan Pardhu, Rutwick Ayi

2 - Detecting Node Propensity Changes In Dynamic Degree-corrected Stochastic Block Model
Lisha Yu, City University of Hong Kong, Hong Kong, lishayu2-c@my.cityu.edu.hk, Kwok-Leung Tsui

■ WD08

103A-MCC

Dynamic Prog/Control

Contributed Session

Chair: Xiaodong Luo, Sabre Holdings Inc, 3150 Sabre Drive, Southlake, TX, 76092, United States, Xiaodong.Luo@sabre.com

1 - Adoptive Vehicle Cruise Control Using Real Time Data And A Dynamic Programming Model: A Web Based Application
Mohammad Ali Alamdar Yazdi, PhD Student, Auburn University, 354 W Glenn Ave, Auburn, AL, 36830, United States, mza0052@auburn.edu, Fadel Mounir Megahed

2 - Modeling Quality Of Care In Hospice Operations
Leela Nageswaran, Tepper School of Business, 5000 Forbes Avenue, Pittsburgh, PA, 15213, United States, lnageswa@andrew.cmu.edu, Alan Scheller-Wolf, Aliza R Heching

3 - Decision Facing Ambiguity MDP POMDP And Beyond
Mohammad Rasouli, University of Michigan, 430 South Fourth Ave, Ann Arbor, MI, 48104, United States, rasouli@umich.edu

4 - Iterative Methods For Large Markov Decision Problems
Xiaodong Luo, Sabre Holdings Inc, 3150 Sabre Drive, Southlake, TX, 76092, United States, Xiaodong.Luo@sabre.com

■ WD09

103B-MCC

Spatial Optimization and Conservation Reserve Design

Sponsored: Energy, Natural Res & the Environment I Environment & Sustainability

Sponsored Session

Chair: Bistra Dilkina, Georgia Institute of Technology, 266 Ferst Drive, Klaus Bldg 1304, Atlanta, GA, 30332-0765, United States, bdilkina@cc.gatech.edu

1 - Density Based Design: A Spatial Optimization Model For Protecting The Fisher
Richard Church, University of California, Santa Barbara, church@geog.ucsb.edu

2 - Optimizing Conservation Designs With Home Range And Connectivity Criteria
Bistra Dilkina, Georgia Institute of Technology, Atlanta, GA, United States, bdilkina@cc.gatech.edu

3 - Delaying Invasive Spread: Is Effective Control Possible Without Effective Prediction?
Gwen Spencer, Smith College, gwenspencer@gmail.com

4 - Avicaching: A Two Stage Game For Bias Reduction In Citizen Science
Yexiang Xue, Cornell University, yexiang@cs.cornell.edu

■ WD11

104A-MCC

Various Aspects of Second Order Cone Optimization

Sponsored: Optimization, Linear and Conic Optimization

Sponsored Session

Chair: Sertalp Bilal Cay, Lehigh University, 200 W Packer Ave, Bethlehem, PA, 18015, United States, sertalpbilal@gmail.com

1 - On Disjunctive Conic Cuts When They Exist When They Cut
Mohammad Shahabsafa, Lehigh University, 200 West Packer Ave, Bethlehem, PA, Bethlehem, PA, 18015, United States, mos313@lehigh.edu, Tamas Terlaky

2 - Effects Of Disjunctive Conic Cuts Within A Branch And Conic Cut Algorithm
Sertalp Bilal Cay, Lehigh University, sertalpbilal@gmail.com

3 - A Rounding Procedure For A Maximally Complementary Solution Of Second Order Conic Optimization
Ali Mohammad Nezhad, Lehigh, alm413@lehigh.edu

■ WD12

104B-MCC

Recent Advances in Discrete Optimization

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Andres Gomez Escobar, University of California, Berkeley, CA, United States, a.gomez@berkeley.edu

1 - Final Point Generalized Intersection Cuts
Aleksandr Mark Kazachkov, Carnegie Mellon University, akazachk@cmu.edu

2 - Generating Cuts From The Ramping Polytope For The Unit Commitment Problem
Jim Ostrowski, University of Tennessee, jostrows@utk.edu

3 - Conic Quadratic Program With Indicator Variables
Hyemin Jeon, University of California Berkeley, hyemin.jeon@berkeley.edu, Alper Atamturk

4 - Polymatroid Inequalities For Mixed-integer Second Order Cone Programming
Andres Gomez, University of California Berkeley, a.gomez@berkeley.edu, Alper Atamturk

■ WD13

104C-MCC

Computational Optimization and Software

Sponsored: Optimization, Computational Optimization and Software

Sponsored Session

Chair: Robert J Vanderbei, Princeton University, Princeton, NJ, 08544, United States, rvdb@princeton.edu

Co-Chair: Hande Benson, Drexel University, LeBow College of Business, Philadelphia, PA, 19104, United States, benson@drexel.edu

1 - Cubic Regularization For Conjugate Gradient Minimization And Symmetric Rank-one Methods
Hande Benson, Drexel University, benson@drexel.edu

2 - Two New Efficient Algorithms For Compressed Sensing
Robert J Vanderbei, Princeton University, rvdb@princeton.edu

3 - Using A Fast Projected Gradient Method To Solve Large Scale Nonlinear Optimization Problems.
Igor Griva, George Mason University, igriva@gmu.edu

■ WD14

104D-MCC

Facility Location I

Contributed Session

Chair: David Mendez, Graduate Student, University of Tennessee, 2621 Morgan Circle, Knoxville, TN, 37996, United States, dmendez@vols.utk.edu

1 - The Price Of Deception In Social Choice
James Patrick Bailey, Georgia Institute of Technology, 755 Ferst Drive, NW, Unit 2401, Atlanta, GA, 30332, United States, james.bailey@gatech.edu, Craig Aaron Tovey

2 - A Comprehensive Model For Location/allocation Of Maritime Search And Rescue Vessels
Amin Akbari, PhD Candidate, Dalhousie University, 1104-1094 Wellington Street, Halifax, NS, B3H 2Z9, Canada, amin.akbari@dal.ca, Ronald P Pelot, H A Eiselt

3 - A Study on Optimal Locations Of Public Facilities To Maximize Social Benefit"
Hyunhong Choi, PhD Student, Seoul National University, 1 Gwanak-ro Gwanak-gu, Seoul, 08826, Korea, Republic of, hongchoi@snu.ac.kr, Misuk Lee, Yoonmo Koo

4 - Location Determination Of A Milk Condensing Plant In Tennessee
David Mendez, Graduate Student, University of Tennessee, 2621 Morgan Circle, Knoxville, TN, 37996, United States, dmendez@vols.utk.edu

■ WD15

104E-MCC

Intelligent Information Systems

Sponsored: Artificial Intelligence

Sponsored Session

Chair: Victor Benjamin, University of Arizona, 1130 E Helen St, Tucson, AZ, 85719, United States, vabenji@email.arizona.edu

1 - Using Big Data And Analytics To Enable Smart Mobility
Yun Wang, University of Arizona, Tucson, AZ, 85716, United States, yunw@email.arizona.edu, Faiz Currim, Sudha Ram

2 - Analyst Language In Quarterly Earnings Calls: Comparing Interactions With Fraudulent And Non-fraudulent Managers
Lee Spitzley, University of Arizona, lspitzley@email.arizona.edu

3 - An Empirical Study Of Venders' Profit Under Different Mechanisms On Online Crowdsourcing Platforms
Xiao Han, Shanghai Jiao Tong University, Shanghai, China, hanxiao@sjtu.edu.cn, Pengzhu Zhang

4 - The Dark Side Of The Singularity: Can OR/MS Help?
John D Little, Massachusetts Institute of Technology, Sloan School of Management, Room E62-534, Cambridge, MA, 02142, United States, jlittle@mit.edu

■ WD16

105A-MCC

Optimization and Learning in Urban Delivery

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Lei Zhao, Tsinghua University, Qinghua West Road, Beijing, 100084, China, lzhao@tsinghua.edu.cn

1 - Robust Inventory Management Under Supply And Demand Uncertainties
Jie Chu, McMaster University, Hamilton, ON, Canada, chuj6@mcmaster.ca, Kai Huang

2 - Learning In Multi-stage Rollouts
Saul Toscano-Palmerin, Cornell University, Ithaca, NY, United States, st684@cornell.edu, Peter Frazier

3 - Optimal Learning In Urban Delivery Resource Allocation
Yixiao Huang, Tsinghua University, 530 Shunde Building, Beijing, 100084, China, huangyx12@mails.tsinghua.edu.cn, Lei Zhao, Warren B Powell, Ilya O Ryzhov

■ WD17

105B-MCC

Nonlinear Optimization Algorithms II

Sponsored: Optimization, Nonlinear Programming

Sponsored Session

Chair: Daniel Robinson, Johns Hopkins University, 3400 N. Charles Street, Baltimore, MD, 21218, United States, daniel.p.robinson@gmail.com

Co-Chair: Frank Edward Curtis, Lehigh University, 27 Memorial Dr, Bethlehem, PA, 18015, United States, frank.e.curtis@gmail.com

Co-Chair: Andreas Waechter, Northwestern University, 2145 Sheridan Road, Evanston, IL, 60208, United States, waechter@iems.northwestern.edu

1 - A Geometry Driven Active-set Method For Elastic-net Minimization
Daniel Robinson, Johns Hopkins University, daniel.p.robinson@gmail.com

2 - A Reduced-space Algorithm For Minimizing L1-regularized Convex Functions
Tianyi Chen, Johs Hopkins University, tchen59@jhu.edu

3 - R-linear Convergence Rate Of A Limited Memory Steepest Descent Method
Wei Guo, Lehigh University, weg411@lehigh.edu

■ WD18

106A-MCC

Business Apps

Contributed Session

Chair: Kiel Michael Martin, USAF, 8940 Rochester Dr, Colorado Springs, CO, 80920, United States, c05kielmartin@gmail.com

1 - An Operational Model To Support Cotton Trade In India
Sundaravalli Narayanaswami, I I M, Ahmedabad, 380015, India, sundaravallin@iima.ac.in, Narasimhan Ravichandran

2 - Internet Of Things And Smart City
Michael Chuang, SUNY New Paltz, 1 Hawk Drive, New Paltz, NY, 12561, United States, chuangm@newpaltz.edu

3 - Connected Vehicle Analytics For In Vehicle Air Quality Management
Yimin Liu, Mobility Analytics Manager, Ford Motor Company, One American Road, Dearborn, MI, 48121, United States, yliu59@ford.com, Yu Chen, Jinjing Yang, Oleg Gusikhin, Omar Makke, Jeff Yeung

control loop.

4 - Sustaining The Drone Enterprise
Kiel Michael Martin, Assistant Professor, USAF, 8940 Rochester Dr, Colorado Springs, CO, 80920, United States, c05kielmartin@gmail.com, Dan Richmond, John Swisher

■ WD19

106B-MCC

Advances in Mixed-Integer Programming Theory and Algorithms

Sponsored: Computing

Sponsored Session

Chair: Adolfo Raphael Escobedo, Arizona State University, Brickyard Engineering (BYENG) 553, 699 S Mill Ave, Tempe, AZ, 85281, United States, adolfo.escobedo@asu.edu

1 - Extensions Of Subadditive Duality For Conic Mixed-integer Programs
Diego Moran, Universidad Adolfo Ibañez, dmoran@gatech.edu, Burak Kocuk

2 - The Hamiltonian P-median Problem: Complexity And Algorithms
Erick Moreno-Centeno, Department of Industrial and Systems Engineering, Texas A&M University, emc@tamu.edu, Ahmed Mohamed Marzouk, Halit Uster

3 - A Quadratic Relaxation For A Dynamic Knapsack Problem With Stochastic Item Sizes
Daniel Blado, H. Milton Stewart School of Industrial and Systems Engineering, Georgia Institute of Technology, deblado@gatech.edu

4 - Routing Optimization With Time Windows Under Uncertainty
Yu Zhang, Northeastern University, Shenyang, China, waltyuzhang@gmail.com, Roberto Baldacci, Melvyn Sim, Jiafu Tang

■ WD21

107A-MCC

Predictive Modeling for Healthcare Applications

Sponsored: Health Applications

Sponsored Session

Chair: Ozgur M Araz, University of Nebraska-Lincoln, CBA 260 1240 R Street, P.O. Box 880491, Lincoln, NE, 68588-0491, United States, oaraz2@unl.edu

1 - Predicting Hospital Admissions From Emergency Department
Ozgur M Araz, University of Nebraska-Lincoln, oaraz2@unl.edu

2 - Seasonal Forecasting For Infectious Disease From Multiple Data Sources
Zeynep Ertem, University of Texas at Austin, zeynepsertem@gmail.com, Lauren Meyers, Kai Liu, Ravi Srinivasan

3 - Psa Screening For Prostate Cancer: A Dynamic Feedback Model To Understand Long Term Trends In Population Screening
Ozge Karanfil, Massachusetts Institute of Technology, Sloan School of Management, Cambridge, MA, United States, karanfil@mit.edu, Hazhir Rahmandad, Jack Homer, John D Sterman

4 - A Queueing Model For Nurse Staffing In Critical Care Outreach Team And Intensive Care Unit
Ali Haji Vahabzadeh, The University of Auckland Business School, Auckland, New Zealand, a.vahabzadeh@auckland.ac.nz, Valery Pavlov

■ WD22

107B-MCC

Modeling Organ Allocation System

Sponsored: Health Applications

Sponsored Session

Chair: Naoru Koizumi, George Mason University, 3351 N. Fairfax Drive, MS#3B1, Arlington, VA, 22201, United States, nkoizumi@gmu.edu

1 - Mathematical Optimization And Simulation Analyses For Optimal Liver Allocation Boundaries
Monica Gentili, University of Louisville, Louisville, KY, 40205, United States, monica.gentili@louisville.edu, Naoru Koizumi, Rajesh Ganesan, Chun-Hung Chen

2 - Small Representations Of Big Kidney Exchange Graphs
John Dickerson, Carnegie Mellon University, Pittsburgh, PA, United States, dickerson@cs.cmu.edu, John Dickerson, University of Maryland, College Park, MD, United States, dickerson@cs.cmu.edu, Aleksandr Mark Kazachkov, Ariel Procaccia, Tuomas W Sandholm

3 - Offer Batching For Organ Placement
Tinglong Dai, Assistant Professor, Johns Hopkins University, 100 International Drive, Baltimore, MD, 21202, United States, dai@jhu.edu, Sommer Gentry, Sommer Gentry, Sridhar R Tayur, David Axelrod, Dorry Segev, Dorry Segev

4 - Redistricting Liver Allocation: Challenges And Extensions
Sommer Gentry, United States Naval Academy, gentry@usna.edu Sommer Gentry, Johns Hopkins University, Baltimore, MD, United States, gentry@usna.edu, Josh Pyke, Eric K Chow, Dorry Segev

■ WD23

108-MCC

Socially-responsible Healthcare Operations

Sponsored: Health Applications

Sponsored Session

Chair: Priyank Arora, Georgia Institute of Technology, 800 West Peachtree, NW, Atlanta, GA, 30308, United States, priyank.arora@scheller.gatech.edu

1 - Ambulance Routing In Resource Constrained Settings
Milind G. Sohoni, Indian School of Business, milind_sohoni@isb.edu, Lavanya Marla, Achal Bassamboo, Chandrasekhar Manchiraju

2 - Healthcare Payment Model Impact On Hospital Readmissions
Jon M Stauffer, Texas A&M University, College Station, TX, United States, jstauffer@mays.tamu.edu, Jonathan Helm, Kurt M Bretthauer

3 - Delivering Long Term Surgical Care In Underserved Communities
Ujjal Kumar Mukherjee, University of Illinois at Urbana–Champaign, Champiagn, IL, United States, ukm@illinois.edu, Emily J. Kohnke, Kingshuk K Sinha

4 - Improving Societal Outcomes In The Organ Donation Value Chain
Priyank Arora, Georgia Institute of Technology, 800 W Peachtree St NW, Atlanta, GA, 30308, United States, priyank.arora@scheller.gatech.edu, Ravi Subramanian

■ WD24

109-MCC

Topics in Resident and Medical Student Scheduling

Sponsored: Health Applications

Sponsored Session

Chair: Amy Cohn, University of Michigan, 1205 Beal Avenue, Ann Arbor, MI, 48109-2117, United States, amycohn@umich.edu

1 - Using Maximally Feasible And Minimally Infeasible Request Sets To Construct Resident Schedules
Brian Lemay, University of Michigan, Ann Arbor, MI, United States, blemay@umich.edu, Amy Cohn, Marina Alex Epelman

2 - A General Model For Medical Resident Rotation Scheduling
William Pozehl, University of Michigan, pozewil@umich.edu, Amy Cohn

3 - Creating Resident Shift Schedules Under Multiple Objectives By Generating And Evaluating The Pareto Frontier
Young-Chae Hong, University of Michigan, hongyc@umich.edu, Amy Cohn, Marina A Epelman

4 - A Linear Programming Model For Scheduling Medical School Clinical Experiences
Roshun Sankaran, University of Michigan, Ann Arbor, MI, United States, roshuns@umich.edu, Amy Cohn, Anna Munaco

■ WD25

110A-MCC

Logistics IV

Contributed Session

Chair: Jafar Namdar, University of Tennessee, 2109 Laurel Avenue, Knoxville, Knoxville, TN, 37916, United States, jafer.namdar@gmail.com

2 - Smart Logistic Management
Mostafa Ghafoorivarzaneh, Student, University of Tennessee-Knoxville, 851 Neyland Drive, Room 511, Knoxville, TN, 37996, United States, mghafoor@utk.edu, Roshanak Akram, Rupy Sawhney

3 - A Robust Model Predictive Control Approach For Logistics Planning In Response To An Earthquake
Yajie Liu, Associate Professor, National University of Defense Technology, Changsha, 410073, China, liuyajie@nudt.edu.cn, Hongtao Lei, Jianmai Shi

4 - Designing A Resilient Supply Chain Network
Jafar Namdar, University of Tennessee, 2109 Laurel Avenue, Knoxville, Knoxville, TN, 37916, United States, jafer.namdar@gmail.com, Rapinder Sawhney, Nooshin Hamidian

■ WD26

110B-MCC

Information Systems III

Contributed Session

Chair: Benjamin Schooley, Assistant Professor, University of South Carolina, 1301 Gervais Street, Columbia, SC, 29201, United States, schooley.ben@gmail.com

1 - Digital Ecosystem Competition, To Open Or To Close?
Chao Ding, Assistant Professor, KK Leung 807, The University of Hong Kong, Pok Fu Lam, Hong Kong, chao.ding@hku.hk

2 - A Quasi Experiment Using Social Network Approach To Effects Of Trust Building In Sharing Economy
Shivom Aggarwal, Instututo de Empresa S.L., Instututo de Empresa S.L., IE Business School, Calle de Maria de Molina, 12 Bajo, Madrid, 28006, Spain, dr.shivom@gmail.com, Gautam Ray

3 - The Effect Of Ambidextrous Developers On Open Source Project Success
Orcun Temizkan, Ozyegin University, Istanbul, Turkey, orcun.temizkan@ozyegin.edu.tr, Ram Kumar

4 - Effects Of Health Information Exchange On The Process Of Care, Patient Care Delivery, Administrative Productivity, And Population Health Outcomes
Benjamin Schooley, Assistant Professor, University of South Carolina, 1301 Gervais Street, Columbia, SC, 29201, United States, schooley.ben@gmail.com, Sue Feldman, Neset Hikmet

■ WD27

201A-MCC

Empirical Healthcare Operations

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Diwas S KC, Emory University, Atlanta, GA, United States, diwas.kc@emory.edu

1 - The Effects Of Discrete Workshifts On Non-terminating Queues
Robert Batt, University of Wisconsin, bob.batt@wisc.edu, Diwas S KC, Bradley R Staats, Brian W Patterson

2 - A Near-term Mortality Indicator For Terminal Cancer Patients Using High Frequency Medical Data
Donald Lee, Yale University, New Haven, CT, United States, donald.lee@yale.edu, Edieal J Pinker

3 - A Machine Learning Approach For Personalized Health Care Outcome Analysis
Guihua Wang, Ross School of Business, University of Michigan, Ann Arbor, MI, United States, guihuaw@umich.edu, Jun Li, Wallace J Hopp

4 - Are Patients Patient? The Effect Of Universal Healthcare On Emergency Department Visits
Diwas KC, Emory University, diwas.kc@emory.edu

■ WD28

201B-MCC

Product Strategies and Channel Structure in Supply Chain Management

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Laurens G Debo, Dartmouth College, Hanover, NH, United States, laurens.g.debo@tuck.dartmouth.edu

Co-Chair: Cuihong Li, University of Connecticut, Storrs, CT, United States, cuihong.li@uconn.edu

1 - Salesforce Incentives For Managing Product Returns
Rashmi Sharma, Pennsylvania State University, University Park, PA, 16802, United States, rashmi.sharma@psu.edu, Aydin Alptekinoglu

2 - Returns Policies For Overstock And Consumer Returns In Distribution Channels
Meng Li, University of Massachusetts, Amherst, MA, United States, meng.li@umass.edu, Yunchuan Liu

3 - Retail Market Power: A Supplier-side Perspective
Shuya Yin, University of California at Irvine, Irvine, CA, United States, shuya.yin@uci.edu, Yuhong He, Saibal Ray

4 - Discretionary Service Line Design With Heterogeneous Customers
Cuihong Li, University of Connecticut, cuihong.li@uconn.edu, Laurens G Debo

■ WD31

202C-MCC

Services in the Sharing Economy

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Laurens Debo, Dartmouth College, Tuck School of Business, Hanover, NH, 03755, United States, Laurens.G.Debo@tuck.dartmouth.edu

Co-Chair: Luyi Yang, University of Chicago, Booth School of Business, Chicago, IL, 60637, United States, luyi.yang@chicagobooth.edu

1 - When Is Capacity Trading Among Consumers A Win-win To Consumers And Service Providers?
Behrooz Pourghannad, University of Minnesota, Minneapolis, MN, United States, behrooz@umn.edu, Saif Benjaafar, Jian-Ya Ding

2 - Allocating Capacity In Bikeshare Systems
Daniel Freund, Cornell University, Ithaca, NY, 14850, United States, df365@cornell.edu, Shane Henderson, David B Shmoys

3 - Skill Screening In Large-scale Service Marketplaces
Eren Basar Cil, University of Oregon, erencil@uoregon.edu, Gad Allon, Achal Bassamboo

■ WD32

203A-MCC

Risk Analysis

Contributed Session

Chair: David S Kim, Professor, Oregon State University, 204 Rogers Hall, School of Mech., Industrial and Mfg Eng., Corvallis, OR, 97331-2407, United States, david.kim@oregonstate.edu

1 - Risk Implications Of Allocation Of Corporate Resources
Arkadiy Sakhartov, Assistant Professor, The Wharton School, University of Pennsylvania, 2017 Steinberg Hall-Dietrich Hall, 3620 Locust Walk, Philadelphia, PA, 19104, United States, arkadiys@wharton.upenn.edu

2 - Uncertainty, Entropy, And Ambiguity As Risk Measures In Decision Modeling For Portfolio Optimization
David F. Rogers, University of Cincinnati, Department of Operations, Business Analytics, and Information Systems, Carl H. Lindner College of Business, 2925 Campus Green Drive, Cincinnati, OH, 45221-0130, United States, David.Rogers@UC.edu, George G Polak

3 - Quantifying The Contribution Of Seawalls To Mitigating Tsunami Damage
Tom M Logan, PhD Pre-Candidate, University of Michigan, 1205 Beal Avenue, Ann Arbor, MI, 48109, United States, tomlogan@umich.edu, Jeremy D Bricker, Seth Guikema

4 - Sample Sut Of Sample Inference Based On Wasserstein Distance
Yang Kang, PhD Candidate, Columbia University, 1255th Amsterdam Ave SSW, RM901, New York, NY, 10027, United States, yangkang@stst.columbia.edu, Jose Blanchet

5 - Destructive Testing Gauge Capability Analysis
David S Kim, Professor, Oregon State University, 204 Rogers Hall, School of Mech., Industrial and Mfg Eng., Corvallis, OR, 97331-2407, United States, david.kim@oregonstate.edu, Xinyu Luo

■ WD35

205A-MCC

Retail Analytics & Optimization

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Tulay Flamand, University of Massachusetts Amherst, Isenberg School of Management, Amherst, MA, 01003, United States, varol@som.umass.edu

1 - Store-wide Shelf Space Analytics To Optimize Impulse Buying
Tulay Flamand, University of Massachusetts Amherst, Amherst, MA, United States, varol@som.umass.edu, Ahmed Ghoniem, Bacel Maddah

2 - Pricing And Inventory Decisions Of an Assortment Under Equal Profit Margins
Bacel Maddah, American University of Beirut, Bliss Street, Beirut, Lebanon, bacel.maddah@aub.edu.lb, Hussein Tarhini, Melanie Jabbour

3 - Online Assortment Optimization When Customers Refine Their Search
Zhichao Feng, The University of Texas at Dallas, Richardson, TX, 75080, United States, zxf140830@utdallas.edu, Dorothee Honhon, Shengqi Ye

4 - Flexible Break Assignment Problem For Ground Handler Shift Scheduling
Youngbum Hur, Graduate Research Assisstant, The University of Texas at Austin, 1 University Station C2200, United States, youngbum.hur@utexas.edu, Jonathan F Bard, Ferdinand Kiermaier, Markus Frey

■ WD36

205B-MCC

Payment Models in Healthcare

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Hamed Mamani, University of Washington, Seattle, WA, United States, hmamani@uw.edu

Co-Chair: Shima Nassiri, University of Washington, ISOM, Foster School of Business, Seattle, WA, 98195, United States, shiman@uw.edu

1 - The Impact Of Reimbursement Policy On Patient Welfare, Readmission Rate And Waiting Time In A Public Healthcare System: Fee-for-service Vs. Bundled Payment
Yulan Wang, Hong Kong Polytechnic University, yulan.wang@polyu.edu.hk, Christopher S Tang, Pengfei Guo, Ming Zhao

2 - Bundled Payment Vs. Fee-for-service: Impact Of Payment Scheme On Performance
Shima Nassiri, University of Washington, Seattle, WA, United States, shiman@uw.edu, Elodie Adida, Hamed Mamani

3 - Bundled Payment Implementation via Market Segmentation
Ruben Proano, Rochester Institute of Technology, rpmeie@rit.edu

4 - Incentive Design For Coordination In Care Of Chronic Patients
Sasa Zorc, INSEAD, Singapore, Singapore, sasa.zorc@insead.edu, Stephen E Chick, Sameer Hasija

■ WD37

205C-MCC

Topics in Sustainable Operations and the Role of Information

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Leon Valdes, Massachusetts Institute of Technology, 77 Massachusetts Ave, Cambridge, MA, 02139, United States, lvaldes@mit.edu

1 - To Recycle Or Not: An Analysis Of The Environmental And Financial Impact Of Recycling
Hailong Cui, University of Southern California, Los Angeles, CA, United States, Hailong.Cui.2019@marshall.usc.edu, Greys Sosic

2 - How Do You Pay Your Electricity Bill? Payment Methods And Energy Conservation
Christian Blanco, University of California-Los Angeles, Los Angeles, CA, 90095, United States, cblanco@anderson.ucla.edu, Magali Delmas

3 - Are Hazardous Substance Rankings Effective? An Empirical Investigation Of Changing Assessments Of The Relative Hazards Of Chemicals And Voluntary Emissions Reductions
Wayne Fu, Georgia Institute of Technology, Atlanta, GA, 30308, United States, wayne.fu@scheller.gatech.edu, Basak Kalkanci, Ravi Subramanian

4 - Investing In Supplier Social Responsibility And Supply Chain Visibility
Leon Valdes, Massachusetts Institute of Technology, lvaldes@mit.edu, Tim Kraft, Yanchong Zheng

■ WD38

206A-MCC

General Session II

Contributed Session

Chair: Gang Wang, University of Massachusetts Dartmouth, 285 Old Westport Rd, Room 214, North Dartmouth, MA, 2747, United States, gwang1@umassd.edu

1 - Pricing Decision Model For New, Upgraded And Remanufactured Short-life Cycle Products
Che-Wei Yeh, PhD Student, National Taiwan University, Floor 9, No.1, Sec. 4, Roosevelt Road, Taipei, Taiwan, d99741008@ntu.edu.tw

2 - Effects Of The Adopting Distillers Grain In The Feed Ration For Swine Industry In Argentina
Maria Celeste De Matteis, Graduate Assistant, University of Tennessee, Knoxville, TN, United States, mdematt1@vols.utk.edu, Tun-Hsiang Edward Yu

3 - Integrated Operations Scheduling Under Different Penalty Terms
Gang Wang, University of Massachusetts Dartmouth, 285 Old Westport Rd, Room 214, North Dartmouth, MA, 02747, United States, gwang1@umassd.edu

■ WD39

207A-MCC

Learning and Model Uncertainty in Stochastic Systems

Sponsored: Applied Probability

Sponsored Session

Chair: Yuan Zhong, Columbia University, New York, NY, 10025, United States, yz2561@columbia.edu

1 - Staffing Service Systems With Distributional Uncertainty
John Hasenbein, University of Texas-Austin, jhas@mail.utexas.edu, Ying Chen

2 - Ambiguous Partially Observable Markov Decision Processes
Soroush Saghafian, Harvard University, Cambridge, MA, United States, soroush_saghafian@hks.harvard.edu

3 - How Being Distributionally Robust Can Improve Learning In High Dimensions?
Karthyek R Murthy, Columbia University, New York, NY, United States, karthyek@gmail.com, Jose Blanchet, Yang Kang

4 - Learning And Hierarchies In Service Systems
Michail Markakis, Universitat Pompeu Fabra, Barcelona, Spain, mihalis.markakis@upf.edu

■ WD40

207B-MCC

Applied Probability and Machine Learning III

Sponsored: Applied Probability

Sponsored Session

Chair: Daniel Russo, Northwestern University, 2001 Sheridan Road, Evanston, IL, 60208-2009, United States, dan.joseph.russo@gmail.com

1 - Collaborative Filtering With Low Regret
Guy Bresler, MIT, Cambridge, MA, United States, guy@mit.edu, Devavrat Shah, Luis Voloch

2 - Predicting The Unseen Mutations Provides A Roadmap For Precision Medicine.
James Zou, Stanford University, Palo Alto, CA, 02139, United States, jamesyzou@gmail.com

3 - Causal Inference With Random Forests
Stefan Wager, Stanford University, Stanford, CA, United States, swager@stanford.edu

■ WD41

207C-MCC

Risk in Financial Markets

Sponsored: Financial Services

Sponsored Session

Chair: Daniel Mitchell, University of Minnesota, University Avenue, Minneapolis, MN, 55455, United States, damitche@umn.edu

1 - Systemic Risk Of High-frequency Trading
Agostino Capponi, Columbia University, ac3827@columbia.edu

2 - Determining Estimation Risk Using Distributional Properties Of Portfolio Weights
Luis Chavez-Bedoya, Esan Graduate School of Business, lchavezbedoya@esan.edu.pe

3 - Modeling Limit Order Books With Neural Networks
Justin Sirignano, Stanford, jasirign@gmail.com

4 - Liquidation Risk
Daniel Mitchell, University of Minnesota, damitche@umn.edu, Jingnan Chen

■ WD42

207D-MCC

Sharing Economy, Mechanism Design and Networks II

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Ozan Candogan, University of Chicago, Chicago, IL, United States, ozan.candogan@chicagobooth.edu

Co-Chair: Santiago Balseiro, Duke University, Durham, NC, United States, sbalseiro@gmail.com

1 - The Impact Of Platform Control Capabilities On The Performance Of Rideshare Networks
Zhe Liu, Columbia Business School, 511 W 112th Street, Apt 24C, New York, NY, 10025, United States, liuzhe821@gmail.com, Costis Maglaras, Philipp Afeche

2 - Competitive Equilibrium And Trading Networks: A Network Flow Approach
Ozan Candogan, University of Chicago, ozan.candogan@chicagobooth.edu, Markos Epitropou, Rakesh Vinay Vohra

3 - Mean Field Equilibria For Competitive Exploration In Resource Sharing Settings
Krishnamurthy Iyer, Cornell University, kriyer@cornell.edu, Pu Yang, Peter Frazier

4 - On The Efficacy Of Static Prices For Revenue Management In The Face Of Strategic Customers
Yiwei Chen, Singapore University of Technology and Design, Singapore, Singapore, ywchen@mit.edu, Vivek Farias

■ WD44

208B-MCC

Advances In Risk Modeling Theory: Nonlinear Systems

Sponsored: Decision Analysis

Sponsored Session

Chair: Ghorbanmohammad Komaki, Case Western Reserve University, Cleveland, OH, United States, gxk152@case.edu

Co-Chair: Behnam B Malakooti, Case Western Reserve University, Cleveland, OH, United States, bxm4@po.cwru.edu

1 - Storage Impact On Micro-grids With Renewable Energy Sources
Shaya Sheikh, New York Institute of Technology, 1855 Broadway, New York, NY, United States, ssheik11@nyit.edu

2 - A Brief Survey Of Recent Decision-making Models And Experiments
Mohammad Komaki, Case Western Reserve University, komakighorban@gmail.com, Behnam Malakooti

■ WD45

209A-MCC

Network Economics II

Sponsored: Simulation

Sponsored Session

Chair: Bruno Tuffin, INRIA, TBD, Rennes Cedex, France, bruno.tuffin@inria.fr

Co-Chair: Patrick Maillé, Telecom Bretagne, 2, rue de la Cha^taigneraie, Cesson Sévigné, 35576, France, patrick.maille@telecom-bretagne.eu

1 - On Revenue-oriented Content Delivery Networks And Their Impact On Net Neutrality
Patrick Maillé, Telecom Bretagne, Rennes, 35510, France, patrick.maille@telecom-bretagne.eu, Gwendal Simon, Bruno Tuffin

2 - An Optimization Approach For Long-term Network Planning With Protection Constraints
Nicolas Stier-Moses, Facebook, Menlo Park, CA, United States, nicostier@yahoo.com, Josue Kuri

3 - Profit, Welfare, And Consumer Surplus Implications Of Sponsored Data Plans
Jialin Song, University of Illinois at Urbana-Champaign, 117 Transportation Building, 104 S Mathews Ave, Urbana, IL, 61801, United States, jsong83@illinois.edu, Qiong Wang

■ WD46

209B-MCC

Revenue Management and Marketing

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Denis Saure, University of Chile, Beaucheff 851, Santiago, Chile, dsaure@dii.uchile.cl

Co-Chair: Juan Pablo Vielma, Massachusetts Institute of Technology, 30 Memorial Dr, Cambridge, MA, 02142, United States, jvielma@mit.edu

1 - Ellipsoidal Methods For Choice-based Conjoint Analysis
Denis Saure, Universidad de Chile, Republica 701, Santiago, 8370439, Chile, dsaure@dii.uchile.cl, Juan Pablo Vielma

2 - Capturing Multitaste Preferences: A Machine Learning Approach
Daria Dzyabura, New York University, ddzyabur@stern.nyu.edu, Liu Liu

3 - Estimating Customer Spillover Learning Of Service Quality: A Bayesianhierarchical
Andres I Musalem, Universidad de Chile, Beauchef 851, Santiago, 8370456, Chile, amusalem@duke.edu, Yan Shang, Jeannette Song

■ WD47

209C-MCC

Various Pricing Topics for Revenue Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Elcin Ergin, McGill, 3465 Hutchison Street, Apt 905, Montreal, QC, H2X 2G3, Canada, elcin.ergin@mail.mcgill.ca

1 - Better Late Than Now: Delayed Vs. Instantaneous Price Discounts With Repeat Customers
Monire Jalili, PhD Student, University of Oregon, 1455 East 25th Ave, Eugene, OR, 97403, United States, mjalili@uoregon.edu, Michael Pangburn

2 - Competitive Pricing With Stockouts And Satisficing Customers
Varun Gupta, Penn State Erie, The Behrend College, 5101 Jordan Rd, Burke 281, Penn State Erie, The Behrend College, Erie, PA, 16563, United States, vxg15@psu.edu, Metin Cakanyildirim

3 - Pricing Decisions In Fast Fashion Retailing Using Discrete Choice Dynamic Programming Model
Elcin Ergin, McGill, 3465 Hutchison Street, Apt 905, Montreal, QC, H2X 2G3, Canada, elcin.ergin@mail.mcgill.ca, Mehmet Gumus

■ WD48

210-MCC

Social Media and Marketing Analytics

Invited: Social Media Analytics

Invited Session

Chair: Amir Gandomi, Ryerson University, 350 Victoria Street, Toronto, ON, M5B 2K3, Canada, agandomi@ryerson.ca

1 - Big Data And Marketing Analytics In Practice: Key Skills And Competencies
Amir Gandomi, Ryerson University, 350 Victoria Street, Toronto, ON, M5B 2K3, Canada, agandomi@ryerson.ca, Morteza Mashayekhi, Margaret Osborne, Michael Sparling

2 - Ranking Cuisines And Customers From Geosocial Restaurant Data
Syagnik Banerjee, University of Michigan-Flint, syban@umflint.edu

3 - Learning Product Attribute Embedding Model From Online Reviews
Feng Mai, Stevens Institute of Technology, Hoboken, NJ, United States, feng.mai@stevens.edu, Xin (Shane) Wang, David J Curry, Roger Chiang

■ WD49

211-MCC

Panel: Teaching Analytics Using Teradata University Network Resources

Sponsored: Education (INFORMED)

Sponsored Session

Chair: Ramesh Sharda, Oklahoma State University, Stillwater, OK, United States, ramesh.sharda@okstate.edu

1 - Teaching Analytics Using Teradata University Network Resources
Ramesh Sharda, Oklahoma State University, ramesh.sharda@okstate.edu

2 - Panelist:
Scott Nestler, University of Notre Dame, snestler@nd.edu

3 - Panelist:
Dursun Delen, Oklahoma State University, dursun.delen@okstate.edu

4 - Panelist
Rahul Bhaskar, California State University-Fullerton, rbhaskar@fullerton.edu

■ WD50

212-MCC

Opt, Nonlinear Programming I

Contributed Session

Chair: Harsha Nagarajan, Postdoctoral Research Associate, Los Alamos National Laboratory, 3000 Trinity Drive, Apt 8, Los Alamos, NM, 87544, United States, harsha@lanl.gov

1 - On Broyden-Conjugate Gradient Methods For Solving Unconstrained Optimization Problems
Idowu Ademola OSINUGA, Federal University of Agriculture, Abeokuta, Department of Mathematics, Alabata Road, Abeokuta, 234, Nigeria, osinuga08@gmail.com

2 - Fast Solutions With Performance Guarantee For Operational Decisions In Real Time Industrial Gas Network Problems
Pelin Cay, Lehigh University, Department of Industrial and Sys Engineering, 200 W Packer Ave, Bethlehem, PA, 18015, United States, pec212@lehigh.edu, Robert H Storer, Luis Zuluaga, Camilo Mancilla

3 - Convex Hulls Of Graphs Of Bilinear Functions On The Unit Cube
Fabian Rigterink, University of Newcastle, University Dr, Callaghan, 2308, Australia, fabian.rigterink@uon.edu.au, Natashia Boland, Akshay Gupte, Thomas Kalinowski, Hamish Waterer

4 - A Spatiotemporal Radiotherapy Planning Approach For Cancer Treatment
Ali Adibi, PhD Student, Wichita State University, 7413 E 18th Street N, Wichita, KS, 67206, United States, aliadibi.ie@gmail.com, Ehsan Salari

5 - Tightening McCormick Relaxations For Nonlinear Programs via Dynamic Multivariate Partitioning
Harsha Nagarajan, Postdoctoral Research Associate, Los Alamos National Laboratory, 3000 Trinity Drive, Apt 8, Los Alamos, NM, 87544, United States, harsha@lanl.gov, Mowen Lu, Emre Yamangil, Russell Bent

■ WD51

213-MCC

Education III

Contributed Session

Chair: Sinan Tas, Assistant Professor, University of Wisconsin-Platteville, 1 University Plaza, Platteville, WI, 53818, United States, tass@uwplatt.edu

2 - A Course Timetabling Problem In A University
Gulsah Hancerliogullari, Assistant Professor, Istanbul Technical University, Macka Campus Faculty of Management, Istanbul, Turkey, ghancerliogullari@itu.edu.tr, Ozlem Pehlivan, Emrah Koksalmis

3 - How To Advise Business Students Choose An Appropriate Concentration?
Bhushan Kapoor, Professor and Chair, California State University -Fullerton, Fullerton, CA, 92831, United States, bkapoor@fullerton.edu, Sinjini Mitra, Zvi Goldstein

4 - Creative Storytelling And Choreography For Senior Design
Elif Akcali, University of Florida, Dept of Industrial and Systems Engineering, 303 Weil Hall PO Box 116595, Gainesville, FL, 32611-6595, United States, akcali@ise.ufl.edu, Tzveta Kassabova, Tom Hart, Leela Corman

5 - Applying Gamification In Engineering Classrooms
Sinan Tas, Assistant Professor, University of Wisconsin - Platteville, 1 University Plaza, Platteville, WI, 53818, United States, tass@uwplatt.edu

■ WD52

214-MCC

Planning for Humanitarian Operations

Sponsored: Public Sector OR

Sponsored Session

Chair: Gina Galindo, Universidad del Norte, Universidad del Norte, Barranquilla, 111, Colombia, ggalindo@uninorte.edu.co

1 - Using Mobile Clinics To Address Equity In Pharmaceutical Supply Chains In Low-resource Settings
Rajan Batta, University at Buffalo (SUNY), Buffalo, NY, United States, batta@buffalo.edu, Biplab Sudhin Bhattacharya

2 - A Multi-modal Vehicle Routing Model For Post-disaster Relief Supply In Inaccessible Mountainous Regions
Abhinav Khare, University at Buffalo (SUNY), Buffalo, NY, United States, abhinavk@buffalo.edu, Rajan Batta, Jee Eun Kang

3 - Contending With Material Convergence After A Disaster Impacting Nashville, Tennessee: An Optimal Donations Information Management System
Miguel Jaller, University of California Davis, mjaller@ucdavis.edu, Jose Holguin-Veras, Luk N Van Wassenhove, Johanna Amaya

4 - Searching For Entities Under Dynamic Emergencies
Gina Galindo, Universidad del Norte, ggalindo@uninorte.edu.co, Jose Betancourt

■ WD53

Music Row 1- Omni

Business Applications in Social Media Analytics

Contributed Session

Chair: Oscar Albeiro Herrera-Restrepo, PhD Industrial and Systems Engineering, Virginia Tech, 4339 Taney Avenue, Apt 401, Falls Church, VA, 22304, United States, oscar84@vt.edu

1 - The Impact Of Implementing Full Capacity Protocol On The Operational Performance In An Emergency Department
Lu Wang, PhD Student, University Of Kansas, 2406 Alabama St Unit 7C, Lawrence, KS, 66046, United States, lu.wang@ku.edu, Mazhar Arikan, Suman Mallik

2 - Dynamic Time Warping For Cold Start Problems In Digital Advertising
Pavan Murali, Research Scientist, IBM Research, 1101 Kitchawan Road, Rt 134, 04-024, Yorktown Heights, NY, 10598, United States, pmurali@usc.edu

3 - Bank Branch Operational Performance Through a Robust Multivariate And Fuzzy Clustering Approach
Oscar Albeiro Herrera-Restrepo, PhD. Industrial and Systems Engineering, Virginia Tech, 4339 Taney Avenue, Apt 401, Falls Church, VA, 22304, United States, oscar84@vt.edu, Konstantinos P Triantis, William L. Seaver

■ WD54

Music Row 2- Omni

Smart Services: Design, Development, and Measurement

Sponsored: Service Science

Sponsored Session

Chair: Robin Qiu, Penn State, 30 E. Swedesford Road, Malvern, PA, 19355, United States, robinqiu@psu.edu

Co-Chair: Hi-Hun Kim, Pohang University of Science and Technology, Pohang, Korea, Democratic People's Republic of, kh_kim@pohang.ac.kr

1 - Identifying New Service Opportunities For Driving Safety Enhancement Based On Driving Behavior Analysis: Commercial Vehicle Case In Korea
Chang-Ho Lee, Pohang University of Science and Technology, 77 Cheongam-Ro. Nam-Gu., Pohang, Korea, Republic of, dlckdgh@postech.ac.kr, Min Jun Kim, Young-Mok Bae, Kwang-Jae Kim

2 - Development Of A Daily Health Behavior Index For College Students
Ki-Hun Kim, Pohang University of Science and Technology, Pohang, Korea, Republic of, kh_kim@postech.ac.kr, Kwang-Jae Kim

■ WD55

Music Row 3- Omni

E Business/Commerce I

Contributed Session

1 - On-site Personalized Product Recommendations: A Field Study
Dimitrios Tsekouras, Erasmus University, Burgemeester Oudlaan 50, 3062PA, Rotterdam, P.O. Box 1738, Netherlands, dtsekouras@rsm.nl, Ting Li

2 - The Effect Of Direct Marketing On Online Purchases – An Empirical Study
Xingyue Zhang, Lehigh University, 621 Taylor Street, Bethlehem, PA, 18015, United States, xiz313@lehigh.edu, Yuliang Yao

3 - Product Recommendations In E-mail Marketing: A Randomized Field Experiment
Ting Li, Erasmus University, T09-14, Burg Oudlaan 50, Rotterdam, 3000DR, Netherlands, tli@rsm.nl, Dimitrios Tsekouras

■ WD56

Music Row 4- Omni

Decision Support Systems II

Contributed Session

Chair: Koki Ho, University of Illinois at Urbana-Champaign, 302F, Talbot Laboratory, 104 S. Wright St, Urbana, IL, 61801, United States, kokiho@illinois.edu

1 - A Decision Framework For Uber-like Transportation Platform
Peiyu Luo, PhD Student, University of Louisville, Louisville, KY, 40217, United States, p0luo002@louisville.edu, Lihui Bai

2 - Leveraging Machine Learning To Support Agricultural Decision-making
Emily Burchfield, PhD Candidate, Vanderbilt University, Nashville, TN, 37212, United States, emily.k.burchfield@vanderbilt.edu, John J Nay, Jonathan Gilligan

3 - Profit Optimization For Rare Earth Permanent Magnet Value Recovery Under Supply And Demand Uncertainties
Hongyue Jin, PhD Candidate, Purdue University, 2101 Cumberland Ave Apt 2107, West Lafayette, IN, 47906, United States, jin156@purdue.edu, Yuehwern Yih, John Sutherland

4 - Operations Research In Space Engineering
Koki Ho, University of Illinois at Urbana-Champaign, 302F, Talbot Laboratory, 104 S. Wright St, Urbana, IL, 61801, United States, kokiho@illinois.edu

■ WD57

Music Row 5- Omni

Disaster and Emergency Management II

Contributed Session

Chair: Shaolong Hu, Ph.D candidate, Tongji University, 1 Zhangwu Road, Tongji building-A, Room 1706, Shanghai, 200092, China, shaolong.hu@hotmail.com

1 - Optimal Dispatching Policies For Donation Collection And Distribution
Robert Cook, University of Alabama, 201 Marina Drive, Tuscaloosa, AL, 35406, United States, Racook1@crimson.ua.edu, Emmett J Lodree

2 - Flood Disaster Relief Services: A Research Agenda For Recovery
Niratcha Grace Tungtisanont, PhD Candidate, Clemson University, 100 Sirrine Hall, Management Dept, Clemson, SC, 29634, United States, ntungti@g.clemson.edu, Aleda Roth, Yann Ferrand, Bernardo F. Quiroga

3 - A Network Model For Relief Distribution In Emergency Response Phase
Shaligram Pokharel, Professor, Qatar University, Doha, Qatar, shaligram@qu.edu.qa, Rojee Pradhananga, Fatih Mutlu, Jose Holguin-Veras

4 - A Multistage Stochastic Approach For Disaster Response In Humanitarian Relief
Shaolong Hu, PhD Candidate, Tongji University, 1 Zhangwu Road, Tongji Building-A, Room 1706, Shanghai, 200092, China, shaolong.hu@hotmail.com

■ WD58

Music Row 6- Omni

Finance III

Contributed Session

Chair: Yi-Ting Hsin, National Chi Nan University, Nantou, Taiwan, s100213024@mail1.ncnu.edu.tw

1 - Human Capital Of President Of Venture Capital Firm And Investment Performance
Cong Chen, PhD Candidate in SEM, THU, Tsinghua University, Haidian Dstrict, 708A, 14# Zijing Apartment, Tsinghua University, Beijing, 100084, China, thuchencong@163.com, Jizhen Li

2 - The Generalized Little's Law And an Asset Picking System To Model And Maintain an Investment Portfolio: A Working Model
Maria Luisa Ceprini, Professor, Massachusetts Institute of Technology, E62-534 Cambridge, MA 02139 United States, Cambridge, MA, 02139, United States, mceprini@mit.edu, John D.C. Little

4 - Trust Evolution Dynamics In The Venture Capital Syndicate Network: An Analysis Based On A Wright-Fisher Process
Heyin Hou, Southeast University, School of Economics and Management, Nanjing, 211189, China, heyinhou@hotmail.com, Jun Yin

5 - Optimizing The Omega Ratio In Portfolio With Floating Return Threshold
Yi-Ting Hsin, National Chi Nan University, Nantou, Taiwan, s100213024@mail1.ncnu.edu.tw, Jing-Rung Yu, Wan-Jiun Paul Chiou, WenYI Lee

■ WD59

Cumberland 1- Omni

Facility Logistics - Potpouri

Sponsored: TSL, Facility Logistics

Sponsored Session

Chair: Debjit Roy, Indian Institute of Management - Ahmedabad, 34355, India, debzitt@gmail.com

1 - Retrieving Multiple Loads In Very High Density Storage Systems
Masoud Mirzaei, Erasmus University, mirzaei@rsm.nl, Masoud MirzaeiB.M. De Koster, Nima Zaerpour

2 - Loading And Unloading Trains And Trucks At Container Terminals
Debjit Roy, Indian Institute of Management - Ahmedabad, Ahmedabad, 380015, India, debjit@iima.ac.in, Jan-Kees Van Ommeren, Amir Gharehgozli

3 - A Fluid Model For Optimal Lot Selection And Dispatching Policies In Semiconductor Wafer Fabs
Dima Nazzal, Georgia Institute of Technology, Atlanta, GA, 30332, United States, dima.nazzal@gatech.edu, Shabbir Ahmed, Kelly Bartlett, Haejoong Kim, Junho Lee, George L Nemhauser, Matias Siebert Sandoval, Joel Sokol

■ WD60

Cumberland 2- Omni

Time-Sensitive Delivery Planning and Routing

Sponsored: TSL, Freight Transportation & Logistics

Sponsored Session

Chair: Okan Orsan Ozener, Ozyegin University, Istanbul, Turkey, orsan.ozener@ozyegin.edu.tr

1 - A Lagrangian-based Approach For Consolidating Freight Of Perishable Products
Christine Vi Nguyen, Northern Illinois University, DeKalb, IL, United States, cnguyen@niu.edu, Alejandro Toriello, Maged M Dessouky

2 - Same-day Delivery Planning With Store Fulfillment
Ming Ni, University at Buffalo, mingni@buffalo.edu, Qing He, Jose Walteros, Xuan Liu, Arun Hampapur

3 - A Partially Time-expanded Network-based Solution Approach For The Traveling Salesman Problem With Time Windows And Its Variants
Minh Duc Vu, Quinlan School of Business, Loyola University Chicago, 16 E. Pearson, Chicago, IL, 60611, United States, dvu3@luc.edu, Natashia Boland, Mike Hewitt, Martin Savelsbergh

4 - Minimizing Routing Costs In Blood Supply Chain
Okan Orsan Ozener, Ozyegin University, orsan.ozener@ozyegin.edu.tr

■ WD61

Cumberland 3- Omni

Scheduling in Passenger-Oriented Railway Networks

Sponsored: Railway Applications

Sponsored Session

Chair: Nikola Besinovic, Delft University of Technology, Mekelweg 2, Deflt, 2628, Netherlands, N.Besinovic@tudelft.nl

1 - Functional Relationship Between Primary And Secondary Delays On Railway Lines
Steven Harrod, Technical University of Denmark, stehar@dtu.dk, Fabrizio Cerreto, Otto Anker Nielsen

2 - Passenger Train Service Network Design Based On A State-space-time Network
Lingyun Meng, Beijing Jiaotong University, menglingyun2001@hotmail.com, Xuesong Zhou

3 - Towards Operationally Feasible And Robust Railway Timetables
Nikola Besinovic, Delft University of Technology, Stevinweg 1, Delft, Netherlands, n.besinovic@tudelft.nl, Rob M.P. Goverde

■ WD62

Cumberland 4- Omni

Optimization in Crew Planning and Crew Leave Planning

Sponsored: Aviation Applications

Sponsored Session

Chair: Norbert Lingaya, Kronos Incorporated, 3535 Queen Mary Rd, Suite 500, Montreal, QC, H3V 1H8, Canada, nlingaya@kronos.com

1 - Bulk Annual Leave Slot Generator: A Two-phase Approach
Luc Charest, Operations Research Specialist, AD OPT, A Kronos Division, 3535 chemin Queen-Mary Ouest, bureau 500, Montréal, QC, H3V 1H8, Canada, luc.charest@kronos.com

2 - A Satisfaction Distribution Approach For Airline Crew Rostering Problems
Babacar Thiongane, AD OPT, A Kronos Division, 3535 Queen-Mary, Bureau 650, Montreal, QC, H3V1H8, Canada, babacar.thiongane@kronos.com

3 - Integral Column Generation
Guy Desaulniers, GERAD, guy.desaulniers@gerad.ca
Guy Desaulniers, Polytechnique Montreal & GERAD, Montreal, QC, Canada, guy.desaulniers@gerad.ca

4 - Monthly Crew Pairing With 40 000 Flights
Francois Soumis, GERAD, francois.soumis@gerad.ca, François Lessard, Mohammed Saddoune

■ WD63

Cumberland 5- Omni

Probabilistic Location Models

Sponsored: Location Analysis

Sponsored Session

Chair: Kayse Lee Maass, University of Michigan, 1205 Beal Avenue Ann Arbor, Westland, MI, 48109-2117, United States, Leekayse@umich.edu

1 - Robust Defibrillator Placement Under Cardiac Arrest Location Uncertainty
Auyon Siddiq, UC Berkeley, Berkeley, CA, United States, auyon@berkeley.edu, Timothy Chan, Zuo-Jun (Max) Shen

2 - Reliable Sensor Deployment For Object Positioning And Surveillance In A Two Dimensional Space
Siyang Xie, U of Illinois at Urbana-Champaign, Urbana, IL, United States, sxie13@illinois.edu, Kun An, Yanfeng Ouyang

3 - Facility Location Planning Under Uncertainty In Disaster Management
Emilia Grass, Institute for Operations Research and Information Systems (ORIS), e.grass@tuhh.de

4 - Comparison Of Various Chance Constraints On The Inventory Modulated Capacitated Location Problem
Kayse Lee Maass, University of Michigan, Ann Arbor, MI, United States, leekayse@umich.edu, Mark Stephen Daskin, Siqian Shen

■ WD64

Cumberland 6- Omni

Theory and Application of the Analytic Network Process

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Orrin Cooper, University of Memphis, Memphis, TN, United States, olcooper@memphis.edu

1 - Improving Coherency In The Anp With A Clustering Algorithm
Orrin Cooper, University of Memphis, olcooper@memphis.edu, Idil Yavuz

2 - Being Consistent With Ahp Consistency: Issues And Applications
Enrique Mu, Carlow University, emu@carlow.edu

3 - How Understanding The Sensitivity And Stability Of Preferences Among Colorectal Cancer Screening Alternatives Could Lead To "better" Medical Decisions
M. Gabriela Sava, Assistant Professor, Clemson University, Clemson, SC, United States, msava@clemson.edu, Luis G Vargas, Jerrold H May, James G Dolan

4 - Quick Anp - A New Approach To Anp Sensitivity Analysis
Elena Rokou, Chief Research Officer, Creative Decisions Foundation, Pittsburgh, PA, 15213, United States, erokou@creativedecisions.net, Bill Adams

■ WD66

Mockingbird 2- Omni

Data Analytics For System Improvement III

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Abdallah A Chehade, University of Wisconsin-Madison, Madison, WI, United States, chehade@wisc.edu

Co-Chair: Kaibo Liu, University of Wisconsin-Madison, 1513 University Ave, Madison, WI, 53706, United States, kliu8@wisc.edu

1 - Sensory-updated Failure Threshold Estimation For Remaining Useful Life Prediction
Abdallah A Chehade, University of Wisconsin-Madison, chehade@wisc.edu, Kaibo Liu

2 - Hard Failure Prediction Based on Joint Models With Extended Hazard
Jianing Man, City University of Hong Kong, Kowloon, Hong Kong, jianinman2-c@my.cityu.edu.hk, Qiang Zhou

3 - To Integrate Or Not? Covariance Selection In Gaussian Process Modeling
Ran Yang, Northwestern University, RanYang2011@u.northwestern.edu, Daniel Apley

4 - Diagnostic Monitoring And Fault Diagnosis In Large Scale Multivariate Process Via Compressive Sensing And Optimization Screening
Yan Jin, University of Washington, yanjin@uw.edu, Shuai Huang

■ WD67

Mockingbird 3- Omni

Dynamic Maintenance/Reliability Planning

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Anahita Khojandi, UTK, Address, City, TN, 00000, United States, khojandi@utk.edu

Co-Chair: Murat Kurt, Merck & Co., Inc., Addrress, Pittsburgh, PA, United States, murat.kurt7@gmail.com

1 - Combined Condition-based Maintenance And Repairman Routing Optimization
Bram de Jonge, University of Groningen, Groningen, Netherlands, b.de.jonge@rug.nl, Lisa M Maillart, Oleg A Prokopyev

2 - Maintenance Of Degrading Servers Stored In A Stack
Mahboubeh Madadi, Louisiana Tech, madadi@latech.edu, Lisa M Maillart, Charles Richard Cassady, Shengfan Zhang

3 - Condition-based Repair Prioritization In Repairable Inventory Supply Chains
Chiel van Oosterom, Eindhoven University of Technology, Eindhoven, Netherlands, c.d.v.oosterom@tue.nl, Joachim Jacob Arts, Geert-Jan Van Houtum

4 - Joint Optimization Of Replacement And Inspection Decisions For Two-unit Standby Redundant Systems With Non-silent System Failures
Anahita Khojandi, University of Tennessee, Knoxville, TN, United States, khojandi@utk.edu, Murat Kurt

■ WD68

Mockingbird 4- Omni

Complex Process Modeling, Monitoring and Optimization

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Youngseon Jeong, Chonnam National University, Korea, Republic of, youngseonjeong@gmail.com

Co-Chair: Myong K Jeong, Rutgers University, 96 Frelinghuysen Road, Piscataway, NJ, 08854, United States, mjeong@rci.rutgers.edu

1 - A Predictive Modeling Of Pump Breakdown For Semiconductor Fabrication Based On Sensor Data
Kil Soo Kim, Principal Engeneer, Samsung Electronics, SamsungJeonja-ro, Hwasung, Gyeonggi-do, 18448, Korea, Republic of, ks1.kim@samsung.com, Chanhwi Jung, Solmi Park, Hyung-Seok Kang, Dongkyu Jeon, Seung Hoon Tong

2 - Application For Modeling And Optimization Of A Crucial Parameter Identification
Shreya Gupta, University of Texas at Austin, Austin, TX, shreya.gupta@utexas.edu

3 - Phase I Analysis Of Nonlinear Profiles Via Gaussian Process Models
Yang Zhang, Tianjin University of Commerce, No. 409, Guangrong Rd., Tianjin, China, yzhang@tjcu.edu.cn, Nini Gao, Qing Wang

4 - Adaptive Variability Monitoring Procedure For High-dimensional Processes
Jinho Kim, Qatar University, jhkim04@gmail.com

■ WD70

Acoustic- Omni

Transportation, Ops IV

Contributed Session

Chair: Emre Kirac, University of Arkansas, 4207 Bell Engineering Center, Fayetteville, AR, 72701, United States, ekirac@uark.edu

1 - Public Transit Regulation And Subsidization Under Asymmetric Information
Yanshuo Sun, PhD Candidate, the University of Maryland, College Park, MD, 20740, United States, yssun@umd.edu, Qianwen Guo, Zhongfei Li

2 - Effects Of Multiple Capacity Changes on Congestion Pricing Model To Handle "Day Of Operations" Airport Capacity Reduction
Abdul Qadar Kara, Asst. Professor, King Fahd University of Petroleum and Minerals, KFUPM Box 5067, Dhahran, 31261, Saudi Arabia, aqkara@kfupm.edu.sa

3 - Price-compatible Matching Mechanisms For Carrier Collaboration
Su Xiu Xu, The University of Hong Kong, LG108, Composite Building, HKU, Pokfulam Road, Hong Kong, 999077, China, xusuxiu@gmail.com

4 - Dynamic Team Orienteering Problem
Emre Kirac, University of Arkansas, 4207 Bell Engineering Center, Fayetteville, AR, 72701, United States, ekirac@uark.edu, Ashlea Bennett Milburn

■ WD71

Electric- Omni

Game Theory IV

Contributed Session

Chair: Manxi Wu, Massachusetts Institute of Technology, 235 Albany Street, 3112B, Cambridge, MA, 2139, United States, manxiwu@mit.edu

1 - On Learning How Players Learn: A Mechanical Turk Experiment
Walid Krichene, University of California, Berkeley, Berkeley, CA, 94720, United States, walid@eecs.berkeley.edu

2 - Better Bounds On Convergence Rates For First-order Methods In Sequential Games
Christian Kroer, Carnegie Mellon University, Computer Science Department, 5000 Forbes Avenue, Pittsburgh, PA, 15213, United States, ckroer@cs.cmu.edu, Fatma Kılınç-Karzan, Kevin Waugh, Tuomas W Sandholm

3 - Formulation Of A Continuous Equilibrium Mapping And A Simplicial Path-following Method For Approximating Proper Equilibria
Yabin Sun, City University of Hong Kong, Nam Shan Office-705, Hong Kong, yabinsun-c@my.cityu.edu.hk, Yin Chen, Chuangyin Dang

4 - Price Of Anarchy In Bayesian Congestion Games
Manxi Wu, Massachusetts Institute of Technology, 235 Albany Street, 3112B, Cambridge, MA, 02139, United States, manxiwu@mit.edu, Saurabh Amin

■ WD72

Bass- Omni

Supply Chain, Decision I

Contributed Session

Chair: Richard Titus, PhD Candidate at Penn State, Adjunct Lehigh Univ, The Pennsylvania State University, 310 Leonhard Building, University Park, PA, 16802, United States, rjt4@lehigh.edu

1 - Can A Buyer Benefit From Bounded Rationality?
Sha Luo, North Carolina State University, 4335 Avent Ferry Road, Apt 3, Raleigh, NC, 27606, United States, sluo3@ncsu.edu, Russell Edward King, Shu-Cherng Fang

2 - Using Point-of-sale Data To Improve Shelf Replenishment Performance
Suzanne de Treville, University of Lausanne, Anthropôle 3073, Lausanne-Dorigny, CH1015, Switzerland, suzanne.detreville@unil.ch, Valérie Chavez-Demoulin, Joerg S Hofstetter

3 - A Structurally Enhanced Fuzzy Inference System Partner Selection Technique In Forming Virtual Enterprise
Shahrzad Nikghadam, PhD Student, Middle East Technical University, 425, graduate studies dorm,METU, Cankaya, Ankara, 06800, Turkey, shahrzad.nikghadam@metu.edu.tr, Hakki Ozgur Unver, Ahmet Murat Ozbayoglu, Sadik Engin Kilic

4 - Supplier Selection Models With Product Life Cycle Considerations
Richard Titus, PhD Candidate at Penn State, Adjunct Lehigh Univ, The Pennsylvania State University, 310 Leonhard Building, University Park, PA, 16802, United States, rjt4@lehigh.edu

■ WD73

Legends A- Omni

Operations Management VIII

Contributed Session

Chair: Donald Paul Warsing, North Carolina State University, College of Management, Campus Box 7229, Raleigh, NC, 27695-7229, United States, don_warsing@ncsu.edu

1 - Leveraging Suppliers To Calibrate Product Specification
Sha Liao, University of the Fraser Valley, Vancouver, BC, Canada, sha.liao@ufv.ca, Hao Zhang, Yimin Wang

2 - Private Label Encroachment And Supply Chain Information Sharing
Xue Li, Tsinghua University, Beijing, China, xueli@mit.edu, Yanchong Zheng, Jian Chen

4 - Supply Chain To Product Matching And Firm Performance
Donald Paul Warsing, North Carolina State University, College of Management, Campus Box 7229, Raleigh, NC, 27695-7229, United States, don_warsing@ncsu.edu, Mohamed Desoky, Russell Edward King, Mark Walker

■ WD74

Legends B- Omni

Ops Mgt/Marketing IV

Contributed Session

Chair: Zhenyu Gao, Tsinghua University, Room 430B, Zijing Department #14, Beijing, 100084, China, pjgzy1@163.com

1 - Omni-channel Retail In The Presence Of Operational Frictions
Xiaomeng Guo, Assistant Professor, The Hong Kong Polytechnic University, M628, Li Ka Shing Tower, Hung Hom, Kowloon, Hong Kong, xiaomeng.guo@wustl.edu, Panos Kouvelis, Danko Turcic

2 - The Study About Crowdfunding Flight
Zihao Zhang, Master, University of Science and Technology of China, 96 Jinzhai Road, Management Research Building 613,Room, Hefei, 230026, China, zhangzih@mail.ustc.edu.cn, Liuyi Ling

3 - Equilibrium Power Structures In The Presence Of Stochastic Learning
Guowei Liu, Tianjin University, 92 Weijin Road, Nankai District, Tianjin, 300072, China, gwliu@tju.edu.cn, Yunchuan Liu, Jianxiong Zhang

4 - Storage Assignment In Mobile Fulfillment System
Zhenyu Gao, Tsinghua University, 14#430, Zijing Department, Beijing, 100084, China, gaozy14@mails.tsinghua.edu.cn, Chen Wang

■ WD76

Legends D- Omni

Supply Chain Optimization

Contributed Session

Chair: Mohammad Komaki, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH, 44106, United States, gxk152@case.edu

1 - Dynamic Decision Making In A Two Echelon Repairable Inventory System With Purchase And Order Options
Rana Afzali-Baghdadabadi, Operation Researcher, General Motors, 2462 John R Rd, # 107, Troy, MI, 48083, United States, rana.afzali@gm.com, Wooseung Jang

2 - Procurement Under Price Uncertainty – An Analysis Of Operational Hedging Strategies
Ashutosh Sarkar, Associate Professor, Indian Institute of Management Kozhikode, IIM Campus, Kunnamangalam, Kozhikode, Kerala, Kozhikode, 673570, India, asarkar@iimk.ac.in, Goutam Sutar, Arun Kumar Misra

3 - Additive Manufacturing In A Bio-medical Supply Chain: A Continuous Approximation Approach
Adindu Emelogu, PhD Student, Mississippi State University, Dept of Industrial & Systems Engineering, 479-2 Hardy Road, Mississippi State, MS, 39762, United States, aae39@msstate.edu, Sudipta Chowdhury, Mohammad Marufuzzaman, Linkan Bian

4 - Considering Dynamic Demand On The Supply Chain Optimization Via Bargaining Models On A Common Replenishment Epochs Environment
José Velásquez, Universidad de los Andes, Calle 44D # 45-86 Int.1 Apto-503, Bogotá, 111321, Colombia, jl.velasquez1322@uniandes.edu.co, Jose Fidel Torres

5 - Heuristic Algorithm For Multi-criteria Procurement In Energy Systems
Mohammad Komaki, Case Western Reserve University, 10900 Euclid Avenue, Cleveland, OH, 44106, United States, gxk152@case.edu

■ WD77

Legends E- Omni

Opt, Large Scale II

Contributed Session

Chair: Helder Inacio, Sabre Holdings Inc, 3150 Sabre Drive, Southlake, TX, 76092, United States, Helder.Inacio@Sabre.com

2 - Inexact Block Coordinate Descent Methods For Symmetric Nonnegative Matrix Factorization
Haoran Sun, Iowa State University, Ames, IA, United States, hrsun@iastate.edu, Qingjiang Shi, Songtao Lu, Mingyi Hong, Meisam Razaviyayn

3 - Generalized Sparse Precision Matrix Selection For Fitting Multivariate Gaussian Random Fields To Large Data Sets
Sam Davanloo, The Ohio State University, Columbus, OH, United States, sdt144@vt.edu, Necdet Serhat Aybat, Enrique Del Castillo

4 - Large Scale Distributed Hessian-free Optimization For Deep Neural Network
Xi He, Lehigh University, 837 Cedar Hill Drive, Allentown, PA, 18109, United States, xih314@lehigh.edu, Martin Takac

5 - Comparing Different Approaches To Solve Airline Crew Recovery Problem
Helder Inacio, Sabre Holdings Inc, 3150 Sabre Drive, Southlake, TX, 76092, United States, Helder.Inacio@Sabre.com, Chunhua Gao, Ramakrishna Thiruveedhi

■ WD78

Legends F- Omni

Opt, Metaheuristics

Contributed Session

Chair: Hasmukh Gajjar, Associate Professor, Indian Institute of Management Indore, Rau-Pithampur Road, C#208, Prabandh Shikhar, Indore - Madhya Pradesh, 453331, India, hasmukh@iimidr.ac.in

1 - Building And Exploring Multiple Time-to-target Plots (m-tttplots) To Compare Randomized Algorithms
Celso C Ribeiro, Full Professor, Universidade Federal Fluminense, Rio de Janeiro, Brazil, celso.ribeiro@gmail.com, Alberto Reyes

2 - Guided Tabu Algorithm For Parallel Optimization
Hesam Shams, PhD Student, University of Tennessee, 851 Neyland Drive, 525 John D Tickle Engineering Building, Knoxville, TN, 37996, United States, hshams@vols.utk.edu, Oleg Shylo

3 - Heuristics For The Steiner Traveling Salesman Problem
Celso C Ribeiro, Universidade Federal Fluminense, Rio de Janeiro, Brazil, celso.ribeiro@gmail.com, Ruben Interian

4 - Statistical Bounds For Grasp Heuristics Of Np-hard Problems
Mengjie Han, PhD, Dalarna University, Högskolan Dalarna, 791 88 Falun, Sweden, Falun, 791 88, Sweden, mea@du.se, Kenneth Carling

5 - Optimal Shelf Space Allocation And Inventory Planning For Fresh Produce In Retail Store
Hasmukh Gajjar, Associate Professor, Indian Institute of Management Indore, Rau-Pithampur Road, C#208, Prabandh Shikhar, Indore - Madhya Pradesh, 453331, India, hasmukh@iimidr.ac.in, Bhavin J. Shah

■ WD79

Legends G- Omni

Opt, Combinatorial II

Contributed Session

Chair: Prasanna Ramamoorthy, IIM Ahmedabad, Vastrapur, Ahmedabad, 380015, India, prasannar@iima.ac.in

1 - An Exact Algorithm For The Covering Capacitated Vehicle Routing Problem
Christopher John Wishon, Arizona State University, Tempe, AZ, United States, cwishon@asu.edu, J. Rene Villalobos

2 - Heuristics For The Covering Capacitated Vehicle Routing Problem
Christopher John Wishon, Arizona State University, Tempe, AZ, United States, cwishon@asu.edu, Guilherme Sproesser Ferreira, J. Rene Villalobos

3 - New Formulations For The Hub Interdiction Median Problem
Prasanna Ramamoorthy, IIM Ahmedabad, Vastrapur, Ahmedabad, 380015, India, prasannar@iima.ac.in

■ WD80

Broadway E- Omni

Retail Mgt I

Contributed Session

Chair: Kamal Lamsal, Assistant Professor, Emporia State University, Campus Box 4039, 1 Kellogg Circle, Emporia, KS, 66801, United States, klamsal@emporia.edu

1 - Efficient Workforce Scheduling In Retail Stores Considering Overtime Or Part-time Workforce
Peeyush Pandey, Doctoral Student, Indian Institute of Management, Indore, IIM Indore, Indore, 453331, India, f12peeyushp@iimidr.ac.in, Hasmukh Gajjar, Bhavin J. Shah

2 - Analyzing Impact Of Cardinality And Similarity Context-effects On Assortment Optimization
Uzma Mushtaque, Rensselaer Polytechnic Institute, 110 8th St, Troy, NY, 12180, United States, uzmamu@rpi.edu, Jennifer Pazour

3 - Assortment Planning And Replacement Under Attractiveness Decay Effect
Huiqiang Mao, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong, 000, Hong Kong, huiqiangm@gmail.com, Yanzhi Li

4 - The Phantom Inventory Menace: The Effect Of Unobserved Stock-outs On Lost Sales
Fredrik Eng-Larsson, Postdoctoral Associate, MIT Center for Transportation and Logistics, Boston, MA, United States, frengl@mit.edu, Daniel Waymouth Steeneck

5 - Warehousing And Shipping Decisions For An Online Replacement Parts Retailer
Kamal Lamsal, Assistant Professor, Emporia State University, Campus Box 4039, 1 Kellogg Circle, Emporia, KS, 66801, United States, klamsal@emporia.edu, Amit Kumar Verma

■ WD82

Broadway G- Omni

Multicriteria Decision I

Contributed Session

Chair: Yuji Sato, Professor, Chukyo University, 101 Yagotohonmach, Showa, Nagoya, Aichi, 466-8666, Japan, ysatoh@1988.jukuin.keio.ac.jp

1 - Financial Decision-maker's Preferences Modeling Within Goal Programming Model
Belaid Aouni, Associate Dean, Qatar University, College of Business and Economics, Al Jamiaa Street, Doha, 2713, Qatar, belaid.aouni@qu.edu.qa

2 - Rethinking Sfpark'S Demand Response Pricing
Tayo Fabusuyi, Research Associate, University of Michigan, 5520 Baywood Street, Floor #3, Ann Arbor, MI, 15206, United States, Fabusuyi@umich.edu, Robert Hampshire

4 - Consistency Among Pairwise Comparisons
Yuji Sato, Professor, Chukyo University, 101 Yagotohonmach, Showa, Nagoya, Aichi, 466-8666, Japan, ysatoh@1988.jukuin.keio.ac.jp

■ WD83

Broadway H- Omni

Supply Chain Mgt, General

Contributed Session

Chair: Mengyang Pan, PhD Candidate, The Ohio State University, Columbus, OH, United States, pan.295@osu.edu

1 - An Eco-urban Logistics Network Design Problem Based On Truck-related Greenhouse Gas Emissions
Mi Gan, Associate Professor, Southwest Jiaotong University, Jinniu District, 111 N 1st Erhuan Road, Chengdu, 610031, China, migan@swjtu.cn, chen si, Zhenggang He

2 - The Interaction Of Forward And Reverse Supply Chains
Qiang Qiang, Penn State, Management Division, 30 E Swedesford Rd, Malvern, PA, 19355, United States, qzq10@psu.edu, Min Yu

3 - A Strategic Analysis Of a Green Manufacturer With a Risk Averse Retailer Under a Green Supply Chain
Yushan Jiang, Tianjin University, 92 Weijin Road, Tianjin, China, yshjiang@tju.edu.cn, Bo Li

4 - Third-party Remanufacturing: Authorization Or Not?
Mingzhou Jin, Professor, University of Tennessee-Knoxville, 525D John D. Tickle Engineering Building, Industrial and Systems Engineering, Knoxville, TN, 37996, United States, jin@utk.edu

5 - When Should Small Firms Collaborate Externally on R&D? A Study Of NIH SBIR/STTR Awards
Mengyang Pan, PhD Candidate, The Ohio State University, Columbus, OH, United States, pan.295@osu.edu, Aravind Chandrasekaran, James Hill, Manus Rungtusanatham

■ WD84

Broadway J- Omni

Supply Chain, Risk IV

Contributed Session

Chair: Florian Lucker, EPFL, EPFL-Tom, Odyssea 416, Lausanne, 1015, Switzerland, florian.luecker@epfl.ch

1 - Risk Management Using Structural Controllability For Resilient Supply Networks
Amirhossein Khosrojerdi, University of Oklahoma, 1021 East Brooks Street, Norman, OK, 73071, United States, akhosrojerdi@ou.edu, Janet K. Allen, Farrokh Mistree

2 - Measuring The Supply Chain Risk In Global Sourcing
Hokey Min, James R. Good Chair in Global Supply Chain Strateg, Bowling Green State University, 1001 Wooster Street, College of Business 3008C, Bowling Green, OH, 43403, United States, hmin@bgsu.edu

3 - Preponement Instead Of Postponement: Two-echelon Disruption Risk Management Under Stochastic Demand
Florian Lucker, EPFL, EPFL-Tom, Odyssea 416, Lausanne, 1015, Switzerland, florian.luecker@epfl.ch
Sunil Chopra, Ralf W Seifert, Ralf W Seifert

■ WD85

Broadway K- Omni

Sustainability IV

Contributed Session

Chair: Avijit Raychaudhuri, Doctoral Candidate, Nanyang Technological University, 50 Nanyang Avenue, South Spine S3-01B-73, Division of IT & Operations Management, Singapore, 639798, Singapore, avijit001@e.ntu.edu.sg

1 - The Role Of Social Planner In Closed-loop Supply Chain
Lan Wang, California State University at East Bay, 25800 Carlos Bee Blvd., Management Department, VBT 345, Hayward, CA, 94542, United States, lan.wang@csueastbay.edu, Tharanga Kumudini Rajapakshe, Asoo J Vakharia

2 - Towards A Theoretical Framework Of Sustainable Operations Strategy
Yeming Gong, Em Lyon Business School, Building B, Office 1018, 23 Avenue Guy De Collongue, Ecully, 69134, France, gong@em-lyon.com

3 - Determinants For A Sustainable Relationship In Outsourcing – A Case Study
Mousumi Modak, PhD Student, IIT Kharagpur, Room No-1F-4, VGSOM, IIT Kharagpur, West Midnapore, West Bengal, Kharagpur, 721302, India, mousumimodak10@gmail.com, Khanindra Pathak, Kunal Kanti Ghosh

4 - Strategic Disclosure Of Environmental And Social Performance: Greenwashing In Supply Chains Under Activist Pressure
Avijit Raychaudhuri, Doctoral Candidate, Nanyang Technological University, Division of IT & Operations Management, 50 Nanyang Avenue, South Spine S3-01B-73, Singapore, 639798, Singapore, avijit001@e.ntu.edu.sg, S Viswanathan, Fang Liu

■ WD88

Broadway B-Omni

Military Applications IV

Contributed Session

Chair: Fikri Kucuksayacigil, Iowa State University, 610 Squaw Creek Drive, Unit 18, Ames, IA, 50010, United States, fksayaci@iastate.edu

1 - Finding A Hider By An Unknown Deadline
Kyle Y Lin, Associate Professor, Naval Postgraduate School, 1411 Cunningham Rd, Monterey, CA, 93943, United States, kylin@nps.edu, Dashi Singham

2 - Planning Effective Police Patrol Routes On Urban Road Networks
Ruben Dario Yie Pinedo, Universidad del Norte, Barranquilla, Colombia, ryie@uninorte.edu.co, Andrea Margarita Ditta Narváez

3 - Modeling Long Term Radiation Fatalities In The National Operational Environment Model
Venkat Venkateswaran, Rensselaer Polytechnic Institute, Room 725, RPI-Hartford, Hartford, CT, 06120, United States, venkav3@rpi.edu

4 - Development Of Text Analytic Tools Focused On Application To Military Specific Corpora
Nathan L Parker, MAJ, TRADOC Analysis Center - Monterey, 700 Dyer Road, Room 178, Monterey, CA, 93943, United States, nparker@nps.edu, Theodore T Allen, Zhenhuan Sui

5 - Value Of Flexibility In Engineering Design
Fikri Kucuksayacigil, Iowa State University, 610 Squaw Creek Drive, Unit 18, Ames, IA, 50010, United States, fksayaci@iastate.edu, K. Jo Min

■ WD90

Broadway D-Omni

Health Care, Strategies

Contributed Session

Chair: Tuomas W Sandholm, Professor, Carnegie Mellon University, Gates Center for Computer Science, Carnegie Mellon University, Pittsburgh, PA, 15213, United States, sandholm@cs.cmu.edu

1 - Assessing The Long-term Value Of Non-clinical Prevention: Improving Life Paths Through Early Childhood Investments
George J. Miller, Institute Fellow, Altarum Institute, 3520 Green Court, Suite 300, Ann Arbor, MI, 48105, United States, george.miller@altarum.org, Charles Roehrig

2 - A System Dynamic Model Of Human Papillomavirus Vaccination
Nasser Sharareh, PhD Student, State University of New York at Binghamton, Binghamton, NY, United States, nsharar1@binghamton.edu, Nasim Sabounchi, A. Serdar Atav, Nicole Rouhana

3 - Hospital Payment Schemes Under Competition
Zheng Han, University of Kansas, Lawrence, KS, United States, hanzheng@ku.edu, Mazhar Arikan, Suman Mallik

4 - Sequential Planning For Steering Immune System Adaptation
Tuomas W Sandholm, Professor, Carnegie Mellon University, Gates Center for Computer Science, Carnegie Mellon University, Pittsburgh, PA, 15213, United States, sandholm@cs.cmu.edu, Christian Kroer

Wednesday, 4:30PM - 6:00PM

■ WE01

101A-MCC

Data Mining in Manufacturing

Sponsored: Data Mining

Sponsored Session

Chair: Mojtaba Khanzadeh, Mississippi State University, 21 Ace Avenue, 21 Apartments, Starkville, MS, 39759, United States, mk1349@msstate.edu

1 - A Congestion Prediction-based Dynamic Routing Model In Automated Material Handling Systems
Sang Min Lee, Senior Researcher, Samsung Electronics, 816 ChanguiKwan, Korea Univ., 145 Anam-ro, Seongbuk-gu, Seoul, Korea, Republic of, smlee5679@gmail.com, Jee Hyuk Park

2 - Profile Monitoring And Fault Diagnosis Via Sensor Fusion For Multi-stream Data
Weihong Guo, Assistant Professor, Rutgers, The State University of New Jersey, 96 Frelinghuysen Rd, CoRE Rm 220, Piscataway, NJ, 08854, United States, wg152@rutgers.edu

■ WE02

101B-MCC

Data Mining Applications

Sponsored: Data Mining

Sponsored Session

Chair: Leily Farrokhvar, West Virginia University, 395 Evansdale Drive, Morgantown, WV, 26506, United States, leily@vt.edu

1 - An Analysis Of Charitable Givings And Donor Behavior
Negar Darabi, Graduate Student Researcher, West Virginia University, Morgantown, WV, 26506, United States, nedarabi@mix.wvu.edu, Leily Farrokhvar, Azadeh Ansari

■ WE03

101C-MCC

Big Data I

Contributed Session

1 - Crew Assignment Subject To Flight Delay Risks
Hing Kai Chan, Associate Professor, University of Nottingham Ningbo China, 199 Taikang East Road, Room AB260, Ningbo, 315100, China, hingkai.chan@nottingham.edu.cn, Sai Ho Chung, Jing Dai

2 - Developing A Dynamic Tool For Transplant Survival Analysis
Hamidreza Ahady Dolatsara, PhD Candidate, Auburn University, Suite 3301, 345 West Magnolia Ave., Auburn, AL, 36849, United States, hamid@auburn.edu, Ali Dag, Bin Weng, Fadel Mounir Megahed

3 - An Optimization Approach To Detection Of Epistatic Effects
Maryam Nikouei Mehr, PhD Student, Iowa State University, 3004 Black Engineering, Ames, IA, 50011, United States, mnmehr@iastate.edu, Lizhi Wang

4 - Warehouse Process Improvement Through Data Analytics And Optimization
Vedat Bayram, Postdoctoral Research Fellow, University of Waterloo, 200 University Ave. West, Waterloo, ON, N2L 3G1, Canada, vbayram@uwaterloo.ca, Fatma Gzara, Samir Elhedhli

■ WE04

101D-MCC

Capacity-Expansion Planning with Increasing Renewable Levels

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Ramteen Sioshansi, Ohio State University, 1971 Neil Avenue, Columbus, OH, 43210, United States, sioshansi.1@osu.edu

Co-Chair: Antonio J. Conejo, The Ohio State University, 1971 Neil Avenue, Columbus, OH, 43210, United States, conejonavarro.1@osu.edu

1 - Analyzing European Climate And Energy Policy Using Stochastic Optimization
Asgeir Tomasgard, NTNU, asgeir.tomasgard@iot.ntnu.no

2 - A Convex Optimization Model For The Combined Electricity And Natural Gas Expansion Planning Problem Under Gas-price Volatility Considerations
Conrado Borraz-Sánchez, Associate Postdoctoral Researcher, Los Alamos National Laboratory, Los Alamos, NM, United States, conradob@lanl.gov, Russell Bent, Pascal Van Hentenryck, Seth Blumsack, Hassan Lionel Hijazi

3 - Electricity Capacity Expansion And Cost Recovery With Renewables
Ramteen Sioshansi, The Ohio State University, Integrated Systems Engineering, 1971 Neil Avenue, Columbus, OH, 43210, United States, sioshansi.1@osu.edu, Yixian Liu

■ WE05

101E-MCC

Wildland Fire Management II

Sponsored: Energy, Natural Res & the Environment II Forestry

Sponsored Session

Chair: Matthew Thompson, U.S. Forest Service, 800 E Beckwith, Missoula, MT, 59801, United States, mpthompson02@fs.fed.us

1 - Filling Requests For National Interagency Hotshot Crews
Erin Belval, Colorado State University, Fort Collins, CO, United States, mccowene@gmail.com, David Calkin, Matthew Thompson, Yu Wei

2 - Advancements In Spatial Fire Planning
Matthew Thompson, U.S. Forest Service, 800 E Beckwith, Missoula, MT, 59801, United States, mpthompson02@fs.fed.us, Yu Wei, Christopher Dunn, Christopher O'Connor, Greg Dillon, David Calkin

3 - A Stochastic Optimization Model To Account For Climate Change In Forest Planning
Jordi Garcia-Gonzalo, Centre Tecnològic Forestal de Catalunya (CTFC)., Solsona, Spain, j.garcia@ctfc.es, Andres Weintraub, Cristóbal Pais

4 - Learning Optimal Mobility And Demand Pressure from Fire Resource Ordering Data
Alex Taylor Masarie, CSU and U.S. Forest Service, Fort Collins, CO, 80523, United States, alex.masarie@gmail.com, Yu Wei, Matthew Thompson, Michael Bevers, Iuliana Oprea, Erin Belval, David Calkin

■ WE06

102A-MCC

Optimization in Data Mining 2

Sponsored: Data Mining

Sponsored Session

Chair: Taghi Khaniyev, University of Waterloo, 200 University Ave., CPH 3669, Waterloo, ON, N2L 3G1, Canada, thanalio@uwaterloo.ca

1 - A Linear Separation Based MILP Model For Multi-class Data Classification Problem
Fatih Rahim, Koç University, Rumelifeneri Yolu, Sarıyer, stanbul, 34450, Turkey, frahim@ku.edu.tr, Metin Turkay

2 - Robust Multicategory Support Vector Machines Using Difference Convex Algorithm
Minh Pham, Postdoc Associate, University of Virginia, 1555 Montessori Ter, Charlottesville, VA, 22911, United States, ptuanminh@gmail.com

3 - Scaling For Training Set Selection In Classification
Walter Dean Bennette, Air Force Research Lab, 7280 Lake View Dr, Ava, NY, 13303, United States, wdbennette@gmail.com

4 - Structure Detection In Mixed Integer Programs
Taghi Khaniyev, PhD Student, University of Waterloo, 200 University Ave., CPH 3669, Waterloo, ON, N2L 3G1, Canada, thanalio@uwaterloo.ca, Samir Elhedhli, Safa F. Erenay

■ WE07

102B-MCC

Data Mining in Decision Analytics

Sponsored: Data Mining

Sponsored Session

Chair: Roy Jafari Marandi, Mississippi State University, MD, United States, rj746@msstate.edu

1 - Next-generation Sequencing (NGS) Data Analysis: Developing A Scalable Framework For The Future
Michael Chuang, State University of New York, New Paltz, NY, 12601, United States, mikeychuang@gmail.com

2 - The Magnificent 7- The Killer Data Mining Errors
Samuel Koslowsky, Senior Analytic Consultant, Harte Hanks, 2118 Ave T, Brooklyn, NY, 11229, United States, sam.koslowsky@hartehanks.com

3 - Estimating Distance Decay Functions For Arts & Culture Markets
Young Woong Park, Technical Professor, Southern Methodist University, 6212 Bishop Blvd. Fincher 303, Dallas, TX, 75275, United States, ywpark@smu.edu, Glenn Voss

4 - Self Organizing And Error Driven (SOED) Artificial Neural Network For Smarter Classifications
Ruholla Jafari Marandi, Research Assistant, Mississippi State University, Starkville, MS, 39759, United States, rj746@msstate.edu, Mojtaba Khanzadeh, Brian Smith, Linkan Bian

■ WE08

103A-MCC

Improving Electricity Grid Flexibility Under Uncertainty

Sponsored: Energy, Natural Res & the Environment, Energy I Electricity

Sponsored Session

Chair: Feng Qiu, Argonne National Laboratory, 9700 S. Cass Avenue, Lemont, IL, 60439, United States, fqiu@anl.gov

1 - Enhancing Flexibility Of Power Systems With Intelligent Periphery
Yunhe Hou, University of Hong Kong, yhhou@eee.hku.hk

2 - Robust Defense Strategy For Gas-electric Systems Against Malicious Attacks
Cheng Wang, Tsinghua University, Beijing, China, wangcheng525525@gmail.com, Wei Wei, Jianhui Wang, Feng Liu, Feng Qiu, Shengwei Mei

3 - A Study Of Ramp Management And Its Compensation Schemes
Dane Andrew Schiro, ISO New England, Holyoke, MA, United States, dschiro@iso-ne.com, Eugene Litvinov, Tongxin Zheng, Feng Zhao

4 - Provide Ramping Service With Wind To Enhance Power System Operational Flexibility
Qin Wang, National Renewable Energy Laboratory (NREL), Golden, CO, United States, qin.wang@nrel.gov, Bri-Mathias Hodge

■ WE09

103B-MCC

Logistics of Biomass Feedstock for Liquid Fuel Production

Sponsored: Energy, Natural Res & the Environment I Environment & Sustainability

Sponsored Session

Chair: Daniela Gonzales, Texas A & M University, 3014 Jennifer Drive, College Station, TX, 77845, United States, danielasofiagonzales@gmail.com

1 - A Two-Stage Chance-constrained Stochastic Programming Model For a Bio-fuel Supply Chain Network With Uncertain Biomass Supply
Md Abdul Quddus, PhD Student, Mississippi State University, Department of Industrial & Systems Engineering, PO Box 9542, Starkville, MS, 39762, United States, mq90@msstate.edu, Sudipta Chowdhury, Mohammad Marufuzzaman

2 - Optimization Of Large Scale Tennessee Bioenergy Production From Field To Blending Facility
Lixia He-Lambert, University of Tennessee, 2621 Morgan Circle, 310 Morgan Hall, Knoxville, TN, 37996, United States, llamber3@utk.edu, Burton C. English, James Larson, Tun-Hsiang Edward Yu, Bradly Wilson, Oleg Shylo

■ WE11

104A-MCC

Sequential Stochastic Optimization

Sponsored: Optimization, Optimization Under Uncertainty

Sponsored Session

Chair: Xiangyu Gao, University of Illinois, 04 Transportation Building, 104 S. Mathews Ave, Urbana, IL, 61801, United States, xgao12@illinois.edu

1 - A Transformation Technique For Stochastic Optimization With Decisions Truncated By Random Variables
Xiangyu Gao, UIUC, Urbana, IL, United States, xgao12@illinois.edu, Xin Chen, Zhan Pang

2 - Stochastic Optimal Control Based Rental Of Production Capacity Under Uncertain Production Requirements
Maurizio Tomasella, University of Edinburgh, Edinburgh, United Kingdom, Maurizio.Tomasella@ed.ac.uk, Artur Korinski

■ WE12

104B-MCC

Recent Advances in Optimization and Related Topics

Sponsored: Optimization, Integer and Discrete Optimization

Sponsored Session

Chair: Sebastian Pokutta, Georgia Institute of Technology, Ferst Dr., Atlanta, GA, 30308, United States, sebastian.pokutta@isye.gatech.edu

1 - Structured Learning Revisited
Daniel Zink, Georgia Institute of Technology, Atlanta, GA, United States, daniel.zink@gatech.edu, Sebastian Pokutta, Gabor Braun

2 - Approximate Hierarchical Clustering Via Lps
Aurko Roy, Georgia Institute of Technology, Atlanta, GA, United States, aurko@gatech.edu, Sebastian Pokutta

3 - On The Computational Complexity Of Optimizing Over The Chvatal Closure Of A Polytope
Dabeen Lee, PhD Student, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA, 15213, United States, dabeenl@andrew.cmu.edu, Gerard P Cornuejols, Yanjun Li

■ WE13

104C-MCC

Disciplined Convex Programming for Nonconvex Problems

Sponsored: Optimization, Computational Optimization and Software

Sponsored Session

Chair: Miles Lubin, Massachusetts Institute of Technology-ORC, MIT, Cambridge, MA, 00000, United States, mlubin@mit.edu

1 - Polyhedral Approximation In Mixed-integer Convex Optimization
Miles Lubin, Massachusetts Institute of Technology, Cambridge, MA, United States, mlubin@mit.edu, Emre Yamangil, Juan Pablo Vielma, Russell Bent

2 - Disciplined Convex-concave Programming
Steven Diamond, Stanford University, Stanford, CA, United States, diamond@cs.stanford.edu, Xinyue Shen, Yuantao Gu, Stephen P Boyd

3 - Outer-approximation Techniques For Mixed-integer Semidefinite Optimization
Christopher Coey, Doctoral Student, Massachusetts Institute of Technology, Cambridge, MA, 02139, United States, coey@mit.edu, Miles Lubin, Emre Yamangil, Juan Pablo Vielma, Russell Bent

■ WE14

104D-MCC

Facility Location II

Contributed Session

Chair: Jianmai Shi, Associate Professor, National University of Defense Technology, Changsha, 410073, China, jianmaishi@gmail.com

1 - The Maximal Covering Location Problem With Minimization Of Cardinality Of Upper Average
Eric C Blair, PhD Student, University of Florida, Gainesville, FL, 32601, United States, ecblair@ufl.edu, Matthew Norton

2 - The Optimal Planning Of Electric Vehicle Battery Swapping Network With Fuzzy Customer Satisfaction
Fang Guo, Huazhong University of Science and Technology, 1037 Luoyu Road, Hongshan District, WuHan,, WuHan, 430074, China, fang_guo@hust.edu.cn

3 - Logistics Service Network Design For Humanitarian Response In East Africa
Marie-Eve Rancourt, Université du Québec à Montréal, 2920 Chemin de la tour, CIRRELT, Montreal, QC, H3T 1J4, Canada, marie-eve.rancourt@cirrelt.ca, Émilie Dufour, Gilbert Laporte, Julie Paquette

4 - Joint Deployment Of Electric Car Charging Stations And Servers On A Road Network
Jianmai Shi, Associate Professor, National University of Defense Technology, Changsha, 410073, China, jianmaishi@gmail.com, Yue Wang, Zhong Liu, Yajie Liu

■ WE15

104E-MCC

Text Mining II

Sponsored: Artificial Intelligence

Sponsored Session

Chair: Weifeng Li, University of Arizona, weifengli@email.arizona.edu

1 - Exploring Scada Devices And Their Vulnerabilities On The Internet Of Things
Sagar Samtani, The University of Arizona, sagars@email.arizona.edu

2 - Key Conversation Trends And Patterns About Electronic Cigarettes On Social Media
Wenli Zhang, University of Arizona, Tucson, AZ, United States, wenlizhang@email.arizona.edu, Sudha Ram"

3 - Stock Movements Prediction Using Textual And Technical Data
Juxihong Julaiti, The Pennsylvania State University, 445 Waupelani Drive, J01, State College, PA, 16802, United States, juxihongjulaiti1225@gmail.com

■ WE17

105B-MCC

Nonlinear Optimization Algorithms III

Sponsored: Optimization, Nonlinear Programming

Sponsored Session

Chair: Feng Qiang, Argonne National Laboratory, 9700 S Cass Avenue, Argonne, IL, 60439, United States, fqiang@anl.gov

1 - Analysis Of The Proximal Quasi Newton Algorithm In Solving Convex Composite Problems
Hiva Ghanbari, Lehigh University, Bethlehem, PA, 18015, United States, hig213@lehigh.edu, Katya Scheinberg

2 - Parallel Problem Generation For Nonlinear Programming Problems In Julia
Feng Qiang, Argonne National Laboratory, Lemont, IL, 60439, United States, fqiang@anl.gov, Joseph A Huchette, Miles Lubin, Cosmin Petra

3 - Regularized Primal And Dual Methods For Convex Quadratic Programming
Elizabeth Wong, University of California-San Diego, elwong@ucsd.edu

■ WE18

106A-MCC

DMA Machine Learning

Contributed Session

Chair: Hang Li, Pennsylvania State University, University Park, PA, United States, Huli80@psu.edu

1 - Risk Prediction On Life Insurance Lapse
Ceni Babaoglu, Dr., Ryerson University, Ryerson University, 350 Victoria Street, Toronto, ON, M5B 2K3, Canada, cenibabaoglu@ryerson.ca, Atakan Erdem, Ayse Bener

2 - Visualization Strategies For Prediction And Classification In Supervised Machine And Statistical Learning
Alexander Engau, Associate Professor, University of Colorado Denver, Denver, CO, United States, aengau@alumni.clemson.edu, Paola Gonzalez

3 - An Anomaly Detection Algorithm Using Tree-based Phase Space Method
Cheng-Bang Chen, Penn State University, 445 Waupelani Dr., Apt K18, State College, PA, 16801, United States, czc184@psu.edu

4 - Optimal Experimental Design On Non-euclidean Spaces For Active Learning
Hang Li, Pennsylvania State University, University Park, PA, United States, Huli80@psu.edu, Enrique Del Castillo, George Runger

■ WE19

106B-MCC

Opt, Heuristic Programming

Contributed Session

Chair: McKenzie Worden, CUBRC, Inc., 4455 Genesee St., Suite 106, Buffalo, NY, 14225, United States, mckenzie.worden@cubrc.org

1 - Quay Crane Scheduling Problem With Considering Tidal Impact And Fuel Consumption
Yu Shucheng, Doctor, Shanghai University, Shang Da Road 99, Shanghai 200444, China, Shanghai, 200444, China, yushucheng2007@163.com

2 - A Cross Entropy Approach To The Single Row Facility Layout Problem
Xiu Ning, Tsinghua University, Shunde Building, Room 519A, Beijing, 100084, China, ningx13@mails.tsinghua.edu.cn

3 - Coordinated Dynamic Demand Lot Sizing And Delivery Scheduling Problem With Resource Restriction
Rui Liu, PhD, Huazhong University of Science and Technology, Wuhan, 430073, China, rliuhust316@gmail.com, Lin Wang

4 - Optimal Communication Of Information For Warfighter Benefit
Azar Sadeghnejad, Buffalo, 157 Ranch Trail, Williamsville, NY, 14221, United States, azarsade@buffalo.edu, Michael Hirsch, Hector Juan Ortiz-Pena

5 - Optimization Of Information Collection And Distribution Across A Limited Communications Network
McKenzie Worden, CUBRC, Inc., 4455 Genesee St., Suite 106, Buffalo, NY, 14225, United States, mckenzie.worden@cubrc.org, Azar Sadeghnejad, Chase Murray, Mark Henry Karwan, Hector Juan Ortiz-Pena

■ WE20

106C-MCC

Health Care, Other I

Contributed Session

Chair: Jingyun Li, Assistant Professor, California State University - Stanislaus, 1 University Circle, Turlock, CA, 95382, United States, jli9@csustan.edu

1 - The Lag In Service Encounter: Indian Healthcare Insurance Context
Sudipendra Nath Roy, Fellow Program in Management, Indian Institute of Management, Indore, Prabandh Shikhar, Rau- Pithampur Road, Indore, 453331, India, f13sudipendrar@iimidr.ac.in, Bhavin J Shah, Hasmukh Gajjar

2 - Determinants Of Meaningful Usage Of Health Information Technology
Jingyun Li, Assistant Professor, California State University - Stanislaus, 1 University Circle, Turlock, CA, 95382, United States, jli9@csustan.edu, Indranil R Bardhan, Steves Ring

■ WE21

107A-MCC

Joint Session MSOM-HC/HAS: Healthcare Operations

Sponsored: Health Applications

Sponsored Session

Chair: Tolga Tezcan, London Business School, Regent's Park, O, London, TX, NW1 4SA, United Kingdom, ttezcan@london.edu

1 - The Role Of Non-clinical Workforce On Patient Service: Evidence From NHS Helpline
Bilal Gokpinar, UCL, London, United Kingdom, b.gokpinar@ucl.ac.uk, Emmanouil Avgerinos

2 - Physiology-based Anticipative Icu Management
Yasin Ulukus, University of Pittsburgh, yasin.ulukus@gmail.com, Guodong Pang, Andrew J Schaefer, Gilles Clermont

3 - New Empirical Evidence For The Clinical Effectiveness And Process Implications Of Managing Migraine Care Via Telemedicine: Interim Results
Abraham Seidmann, University of Rochester, Simon Business School, Dir of OR Dept, Rochester, NY, 14627, United States, avi.seidmann@simon.rochester.edu, Balaraman Rajan, Deborah Friedman

4 - Adaptive Monitoring Of Depression Treatment Population: A Data-driven Approach
Ying Lin, University of Washington, linyeliana.ie@gmail.com, Shan Liu, Shuai Huang

■ WE22

107B-MCC

Joint Session MSOM-HC/HAS: Modeling and Optimization for Organ Allocation and Donation Networks

Sponsored: Health Applications

Sponsored Session

Chair: Murat Kurt, Merck Research Labs, 351 N. Sumneytown Pike, North Wales, PA, 19454, United States, murat.kurt7@gmail.com

Co-Chair: David Kaufman, Assistant Professor, University of Michigan-Dearborn, 19000 Hubbard Dr, Dearborn, MI, 48126, United States, davidlk@umich.edu

1 - Designing an Efficient And Fair Heart Allocation Rule For Transplantation
Farhad Hasankhani, Clemson University, 278 Freeman Hall, Clemson, SC, 29634, United States, fhasank@g.clemson.edu, Amin Khademi

2 - Cherrypicking Kidneys And Patients: Incentives In Transplant Centers
Mazhar Arikan, University of Kansas, 931 Drum Dr, Lawrence, KS, 66049, United States, mazhararikan@hotmail.com, Baris Ata, Rodney Parker

3 - Modeling Of The United States Liver Allocation System Policy To Reduce Disparity Using Novel Approaches
Sanjay Mehrotra, Northwestern University, mehrotra@northwestern.edu, Vikram Kilambi

4 - Redesigning The National Network For Deceased Donor Organ Extraction In The Netherlands
Joris van de Klundert, Erasmus University Rotterdam, vandeklundert@bmg.eur.nl, Kristiaan Michel Glorie, Thije Van Barneveld, Sylvia Elkhuizen, Kirsten Ooms

■ WE23

108-MCC

Surveillance of Diseases with Big Data

Sponsored: Health Applications

Sponsored Session

Chair: Qingpeng Zhang, City University of Hong Kong, 83 Tat Chee Ave, Kowloon Tong, TX, 00000, Hong Kong, qingpeng.zhang@cityu.edu.hk

1 - Patient-specific Depression Monitoring By Selective Sensing
Ying Lin, University of Washington, linyeliana.ie@gmail.com, Shuai Huang, Shan Liu

2 - An Optimization Approach To Concussion Management
Gian Gabriel Garcia, University of Michigan, garciagg@umich.edu, Mariel Sofia Lavieri

3 - Biosurveillance Of Climate Sensitive Mosquito-borne Diseases Using Online Social Media
Kusha Nezafati, University of Texas, Dallas, TX, United States, Kusha.Nezafati@utdallas.edu, Yulia Gel, L. Leticia Ramirez Ramirez

4 - Semantic Social Network Analysis Of Online Health Communities
Ronghua Xu, City University of Hong Kong, ronghuaxu2-c@my.cityu.edu.hk, Qingpeng Zhang

■ WE24

109-MCC

Operations Research in Healthcare Management in Chile

Sponsored: Health Applications

Sponsored Session

Chair: Jorge Vera, Professor, Pontificia Universidad Catolica de Chile, Vicuna Mackenna 4860, Macul, Santiago, 7820436, Chile, jvera@ing.puc.cl

1 - Physiotherapy Treatment Appointments Scheduling Using An MDP-based System
Sergio Maturana, Pontificia Universidad Catolica de Chile, smaturan@ing.puc.cl, Ignacio Lazo

2 - Chemotherapy Treatment Scheduling In Public Health
Juan-Carlos Ferrer, Professor, Pontificia Universidad Catolica de Chile, Santiago, Chile, jferrer@ing.puc.cl

3 - A Hierarchical Solution Approach For Bed Capacity Planning Under Uncertainty In The Healthcare Service Industry
Ana Celeste Batista, PhD Candidate, Pontificia Unversidad Catolica de Chile, Santiago, Chile, abatista@uc.cl, Jorge Vera

■ WE25

110A-MCC

Logistics V

Contributed Session

Chair: Tayo Fabusuyi, University of Michigan and Carnegie Mellon University, 5520 Baywood Street, Floor #3, Pittsburgh, PA, 15206, United States, Fabusuyi@umich.edu

1 - Minimizing Customer Waiting Time In A Unit-load Warehouse
Mahmut Tutam, PhD Student, UARK, 1359 N Leverett Avenue, Apt 31, Fayetteville, AR, 72703, United States, mtutam@uark.edu, John A White

2 - The Mode Most Traveled: Parking Implications And Policy Responses
Tayo Fabusuyi, University of Michigan and Carnegie Mellon University, 5520 Baywood Street, Floor #3, Pittsburgh, PA, 15206, United States, Fabusuyi@umich.edu, Robert Hampshire, Zhen Qian

■ WE26

110B-MCC

Information Systems IV

Contributed Session

1 - Information System that Implements Shapley Algorithm For The Evaluation Of The Competitive Value at a Cluster And Enterprise Level
Miguel Jimenez, Information systems and technologies leader, Universidad de la Costa, Barranquilla, 08002, Colombia, mjimenez@fcimec.org, Luis Eduardo Ramirez, Luis Eduardo Ramirez, Lauren Castro, Lauren Castro, Diana Gineth Ramirez-Rios, Orlando Bustamante, Stefanie Cortina, Dionicio Neira, William Manjarres De Avila

2 - Advertising Competition With Third Party Cookies
Arslan Aziz, Carnegie Mellon University, 5624 Fifth Ave, Apt C16, Pittsburgh, PA, 15232, United States, arslan.aziz7@gmail.com, Rahul Telang

■ WE27

201A-MCC

DMA Business Analytics

Contributed Session

Chair: Byeong-Yun Chang, Ajou University, San5 Woncheon-dong, Yeongtong-gu, Suwon, 443-749, Korea, Republic of, bychang@ajou.ac.kr

1 - Relationship Between R2 And F Statistic In Linear Regression
Nizar Zaarour, Assistant Teaching Professor, Northeastern University, Boston, MA, 02115, United States, n.zaarour@neu.edu, Emanuel Melachrinoudis

2 - Heuristic Search For Good Decisions In Generalized Quadratic Assignment Problems
Steven Orla Kimbrough, Professor, University of Pennsylvania, 103 Bentley Avenue, Bala Cynwyd, PA, 19004, United States, kimbrough@wharton.upenn.edu, Monique Guignard-Spielberg, Frederic H Murphy

3 - Predicting Urban Blight Using A Data Science Approach
Naveen Kumar, University of Memphis, Memphis, TN, United States, nkumar7@memphis.edu, William J Kettinger, Chen Zhang

4 - Does Information Transparency Help Retain Customers? Evidence From The Insurance Industry
Zhi Cheng, Temple University, Philadelphia, PA, United States, aaronzhi.cheng@gmail.com, Ting Li, Paul Pavlou

5 - A Study On Stock Prices Forecasting
Byeong-Yun Chang, Associate Professor, Ajou University, San 5 Woncheon-dong, Yeongtong-gu, Suwon, 443-749, Korea, Republic of, bychang@ajou.ac.kr, Yucong Chen

■ WE28

201B-MCC

Retail Operations I

Sponsored: Manufacturing & Service Oper Mgmt

Sponsored Session

Chair: Jan C Fransoo, Eindhoven University of Technology, Eindhoven, Netherlands, j.c.fransoo@tue.nl

1 - Optimal Channel Choices Of Traditional Retail
Jiwen Ge, PhD Candidate, Eindhoven University of Technology, Eindhoven, Netherlands, j.ge@tue.nl, Dorothee Honhon, Jan C Fransoo, Lei Zhao

2 - Coordinated Delivery To Nanostores In Megacities
Ruidian Song, Tsinghua University, Beijing, 100084, China, srd13@mails.tsinghua.edu.cn, Lei Zhao, Jan C Fransoo, Tom Van Woensel

3 - Demand Estimation Under Multi-store Multi-product Substitution In High Density Traditional Retail
Tianhu Deng, Tsinghua University, Beijing, China, deng13@tsinghua.edu.cn, Mingchao Wan, Lei Zhao, Jan C Fransoo

4 - A Structural Estimation Model Based On Socioeconomic Variables To Analyze The Evolution Of Retail Channels
Jan C Fransoo, Eindhoven University of Technology, School of Industrial Engineering, P.O. Box 513 Pav F4, Eindhoven, NL-5600MB, Netherlands, j.c.fransoo@tue.nl, Christopher Mejía-Argueta

■ WE29

202A-MCC

Empirical Research in Sustainable Operations

Sponsored: Manufacturing & Service Oper Mgmt, Sustainable Operations

Sponsored Session

Chair: Erin Cassandra McKie, University of South Carolina, 1014 Greene Street, Columbia, SC, 29208, United States, erin.mckie@grad.moore.sc.edu

2 - Sector, Industry, Firm, And Year Influence On Environmental Management Practice Adoption
Rick Hardcopf, University of Minnesota, 321 19th Avenue South, Minneapolis, MN, 55455, United States, hardc001@umn.edu, Rachna Shah, Ujjal Kumar Mukherjee

3 - Promoting Consumer Recycling: Effects Of EPR Legislation And Regional Traits
Erin Cassandra McKie, PhD Candidate, University of South Carolina, 1014 Greene Street, Columbia, SC, 29212, United States, erin.mckie@grad.moore.sc.edu, Mark Ferguson, Michael Galbreth

■ WE30

202B-MCC

Systemic Issues in Healthcare and Humanitarian Logsitics

Sponsored: Manufacturing & Service Oper Mgmt, Healthcare Operations

Sponsored Session

Chair: Jonathan Helm, Indiana University, 1309 E. 10th St, Bloomington, IN, 47401, United States, helmj@indiana.edu

Co-Chair: Alex Mills, Indiana University - Bloomington, Bloomington, IN, United States, millsaf@indiana.edu

1 - Inventory Dispersion, Stock Mobilizing Speed And Fortification In Humanitarian Operations
Shabnam Rezapoor, PhD Candidate, University of Oklahoma, Norman, OK, United States, shabnam_rezapoor@yahoo.com, Reza Zanjiranifarahani, Alfonso Pedraza-Martinez

2 - Surge Capacity Deployment In Hospitals: Preparation, Response, Recovery, And Mitigation
Alex Mills, Indiana University, Bloomington, IN, United States, millsaf@indiana.edu, Yu Wang

3 - Malaria Treatment Distribution In Developing World Health Systems And Application To Malawi
Jonathan Helm, Indiana Universtiy, helmj@indiana.edu

4 - Healthcare Inventory Management In The Presence Of Supply Disruption And A Reliable Alternative Supply Channel
Erhun Kundakcioglu, Ozyegin University, Faculty of Engineering, Istanbul, Turkey, erhun.kundakcioglu@ozyegin.edu.tr

■ WE31

202C-MCC

The On-Demand Economy: Matching, Capacity-Planning, and Incentives

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Amy Ward, University of Southern California, Marshall School of Business, Los Angeles, CA, 90089, United States, amy.ward@marshall.usc.edu

1 - Near-optimal Matching For Real-time Ridesharing
Erhun Ozkan, University of Southern California, Los Angeles, CA, United States, erhunozkan@gmail.com, Amy R Ward

2 - Product Support Forums: Customers As Partners In The Service Delivery
Konstantinos Stouras, INSEAD, konstantinos.stouras@insead.edu, Serguei Netessine, Karan Girotra

3 - Pricing And Optimization In Shared-Vehicle Systems
Siddhartha Banerjee, Cornell University, sbanerjee@cornell.edu

4 - Managing Queues With A Self-scheduling Capacity
Rouba Ibrahim, University College London, rouba.ibrahim@ucl.ac.uk

■ WE32

203A-MCC

Sports and Entertainment

Contributed Session

Chair: Kristopher Pruitt, Associate Professor, United States Air Force Academy, 2354 Fairchild Dr, Ste 6D222, USAFA, CO, 80840, United States, kristopher.pruitt@gmail.com

1 - Analysis Of World Baseball Softball Confederation Premier 12 Schedule
Seong Dae Kim, Associate Professor, University of Alaska Anchorage, 3211 Providence Drive, University Center, Room 155, Anchorage, AK, 99508, United States, sdkim2@uaa.alaska.edu, J.C. Kim

2 - The Role Of Offensive System In The NBA Draft
Ryan Chen, Stanford University, 227 Ayrshire Farm Lane, Apt. 301B, Stanford, CA, 94305, United States, rdchen@stanford.edu, Eli Shayer, Travis Chen, Nicholas Canova

3 - Using Past Scores And Regularization To Create A Winning NFL Betting Model
Eric Webb, Kelley School of Business, Indiana University, Bloomington, IN, 47404, United States, ermwebb@indiana.edu, Wayne L Winston

4 - An Optimal Pacing Strategy For Ultramarathons
Kristopher Pruitt, Associate Professor, United States Air Force Academy, 2354 Fairchild Dr, Ste 6D222, USAFA, CO, 80840, United States, kristopher.pruitt@gmail.com, Justin Hill

■ WE33

203B-MCC

Procurement & Purchasing Management

Contributed Session

Chair: Vandit Shah, California State University - Fullerton, Fullerton, CA, United States, vandit_2293@csu.fullerton.edu

1 - Geography Still Matters: Examine The Role Of Location In Online Markets For Foreign Branded Products
Xia Zhao, Associate Professor, University of North Carolina at Greensboro, 479 Bryan Building, PO Box 26170, Greensboro, NC, 27402, United States, x_zhao3@uncg.edu, Kexin Zhao, Jing Deng

2 - Value For Money Assessment Using Fuzzy Logic
Deepak Kanhaiyalal Sharma, Assistant Professor, California State University - Fullerton, 800 N State College Blvd, Dept. of Civil & Environmental Eng., Fullerton, CA, 92831, United States, dsharma@fullerton.edu, Baig Jufain Mirza

3 - Decision Science Tools For Value For Money (vfm) Analysis
Deepak Kanhaiyalal Sharma, California State University - Fullerton, 800 N State College Blvd, Dept. of Civil & Environmental Eng., Fullerton, CA, 92831, United States, dsharma@fullerton.edu, Vandit Shah, Baig Mirza

4 - Contracting For Services In Multiple Industries: An Empirical Analysis
Yuan Ye, PhD Candidate, University of Houston, 4800 Calhoun Rd, Houston, TX, 77004, United States, yye@bauer.uh.edu, David Xiaosong Peng

5 - Factors Affecting Public Private Partnership Acceptance
Vandit Shah, California State University, Fullerton, Fullerton, CA, United States, vandit_2293@csu.fullerton.edu, Deepak Kanhaiyalal Sharma

■ WE35

205A-MCC

On-demand Service Platforms

Sponsored: Manufacturing & Service Oper Mgmt, Service Operations

Sponsored Session

Chair: Itai Gurvich, Kellogg School of Management, Northwestern University, Evanston, IL, 60208, United States, i-gurvich@kellogg.northwestern.edu

1 - On-demand Service Platforms
Terry Taylor, University of California - Berkeley, Berkeley, CA, 94720, United States, taylor@haas.berkeley.edu

2 - The Efficacy Of Incentives In Scaling Up Marketplaces
Ashish Kabra, INSEAD, Boulevard de constance, Fontainebleau, 77305, France, ashish.kabra@insead.edu, Elena Belavina, Karan Girotra

3 - Labor Welfare In The Sharing Economy
Guangwen Kong, University of Minnesota, Minneapolis, MN, United States, gkong@umn.edu, Saif Benjaafar, Jian-Ya Ding, Terry Taylor

4 - Perception Of Dynamic Pricing In On-Demand Services
Nil Karacaoglu, Northwestern University, Kellogg, Evanston, IL, United States, n-karacaoglu@kellogg.northwestern.edu, Antonio Moreno-Garcia

■ WE36

205B-MCC

Sustainable Operations for Farmers

Sponsored: Manufacturing & Service Oper Mgmt, Supply Chain

Sponsored Session

Chair: Ming Hu, University of Toronto, Toronto, ON, Canada, ming.hu@rotman.utoronto.ca

1 - Distressed Selling By Farmers: Model And Analysis
Shivam Gupta, University of Texas-Dallas, sxg104920@utdallas.edu, Milind Dawande, Ganesh Janakiraman, Ashutosh Sarkar

2 - Knowledge Sharing And Learning Among Smallholders In Developing Economies: Implications, Incentives, And Reward Mechanisms
Shihong Xiao, HKUST, Hong Kong, Hong Kong, sxiaoab@connect.ust.hk, Ying-Ju Chen, Christopher S Tang

3 - Altruistic Rationality: The Value Of Strategic Farmers And Social Entrepreneurs In Crop Planting Decisions In Developing Economies
Wenbin Wang, Shanghai University of Finance and Economics, Shanghai, China, wang.wenbin@shufe.edu.cn, Ming Hu, Yan Liu

■ WE37

205C-MCC

Health Care, Other II

Contributed Session

Chair: Mostafa Hasan, Research Assistant, Wichita State University, 1629 N Fairmount St, Wichita, KS, 67208, United States, mhasann16@yahoo.com

1 - A System Dynamic Approach For Risk Assessment Of Lyme Disease – A Case Study At Binghamton University Campus In Broome County, New York State
Nasser Sharareh, PhD, Binghamton University, 4400 Vestal Parkway East, Binghamton, NY, 13902, United States, nsharar1@binghamton.edu, Nasim Sabounchi, Amanda Roome, Ralph Garruto

2 - Modeling Medical Overpayments Using Truncated Distributions
Babak Zafari, Babson College, Babson, MA, United States, zafari.babak@gmail.com

3 - Procurement Models For Clinical Supplies: Indian Context
Bhavin J Shah, Associate Professor, Indian Institute of Management, Indore, Faculty Office # C-206, First Floor,, Prabandh Shikhar, Rau-Pithampur Road,, Indore - Madhya Pradesh, 453556, India, bhavinj@iimidr.ac.in, Hasmukh Gajjar

4 - A Multiple Criteria Decision Tree Algorithm For Selecting Breast Cancer Treatment
Mostafa Hasan, Research Assistant, Wichita State University, 1629 N Fairmount St, Wichita, KS, 67208, United States, mhasann16@yahoo.com, Esra Buyuktahtakin, Elshami Elamin

■ WE38

206A-MCC

General Session III

Contributed Session

Chair: Seyedali Mirzapour, PhD Student, Wichita State University, 1845 Fairmount St., Wichita, KS, 67260, United States, mirzapour.ie@gmail.com

1 - Modeling And Performance Evaluation Of Bernoulli Transfer Lines With Batch Processors
Feiyi Yan, Northwestern Polytechnical University, 127 West Youyi Road, Xi'an, China, pacpos.fyyan@gmail.com, Jun-Qiang Wang

2 - A New Relaxation Method For Mathematical Program With Complementarity Constraint
Tangi Migot, IRMAR-INSA, Rennes, France, tangi.migot@gmail.com, Jean-Pierre Dussault, Mounir Haddou

3 - Leaf Trajectory Optimization For Dynamic Delivery Of Intensity-modulated Radiotherapy Plans
Seyedali Mirzapour, PhD Student, Wichita State University, 1845 Fairmount St., Wichita, KS, 67260, United States, mirzapour.ie@gmail.com, Ehsan Salari

■ WE39

207A-MCC

Applied Probability and Economics II

Sponsored: Applied Probability

Sponsored Session

Chair: Krishnamurthy Iyer, Cornell University, 225 Rhodes Hall, Ithaca, NY, 14853, United States, kriyer@cornell.edu

1 - The Magician's Shuffle: Re-using Lottery Numbers For School Seat Redistribution
Irene Yuan Lo, Columbia University, New York, NY, United States, iyl2104@columbia.edu, Itai Feigenbaum, Yashodhan Kanoria, Jay Sethuraman

2 - Promotional Campaigns Under Social Learning
Ehsan Valavi, Columbia University, New York, NY, 30332-0205, United States, valavi19@gsb.columbia.edu, Costis Maglaras

3 - The Strange Case Of Privacy In Equilibrium Models
Rachel Cummings, California Institute of Technology, 1200 E California Blvd, MC 305-16, Pasadena, CA, 91125, United States, rachelc@caltech.edu

4 - Delay-predictability Tradeoffs In Reaching A Secret Goal
Kuang Xu, Stanford University, Stanford, CA, United States, kuangxu@stanford.edu, John N. Tsitsiklis

■ WE40

207B-MCC

Queues with Correlations

Sponsored: Applied Probability

Sponsored Session

Chair: Ohad Perry, Northwestern University - Evanston, Evanston, IL, United States, ohad.perry@northwestern.edu

1 - The Impact Of Delays On Service Times In The Intensive Care Unit
Carri Chan, Columbia Business School, cwchan@columbia.edu

2 - The Impact Of Dependence On Unobservable Queues
Jamol Pender, Cornell University, jamol.pender@gmail.com

3 - Service Systems With Correlated Service And Patience Times
Chenguang Wu, Northwestern University, ChenguangWu2013@u.northwestern.edu

4 - Service Systems With Slowdowns
Jing Dong, Northwestern University, jing.dong@northwestern.edu, Pnina Feldman, Galit Yom-Tov

■ WE41

207C-MCC

Topics in Portfolio Optimization

Sponsored: Financial Services

Sponsored Session

Chair: Brian Clark, Rensselaer Polytechnic Institute, Lally School of Management, Troy, NY, 12180, United States, clarkb2@rpi.edu

1 - The Implicit Value Of Tracking The Market
Majeed Simaan, Rensselaer Polytechnic Institute, Troy, NY, 12180, United States, simaam@rpi.edu, Chanaka Edirisinghe, Brian Clark

2 - Optimal Portfolio Rebalancing Under Mean-risk Tradeoff, Market Impact, And Leverage
Jaehwan Jeong, Radford University, Department of Management, P.O. Box 6954, Radford, VA, 24142, United States, jjeong5@radford.edu, Chanaka Edirisinghe

3 - Disentangle Signals And Noises In Portfolio Optimization
Long Zhao, University of Texas at Austin, Austin, TX, United States, zhaolong.soul@gmail.com, Deepayan Chakrabarti, Kumar Muthuraman

■ WE42

207D-MCC

Strategic Behavior and Dynamic Choice in Revenue Management

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Jue Wang, Queen's School of Business, 143 Union St. West, Kingston, ON, K7L 3N6, Canada, jw171@queensu.ca

1 - To Ration Or Not To Ration? Selling To Strategic Customers Under Shortage Effect.
Stephen Shum, City University of Hong Kong, swhshum@cityu.edu.hk, Peng Hu, Hanqing Liu

2 - Dynamic Pricing Of Vertically Differentiated Products For Consumers With Sequential Search
Chi-Guhn Lee, University of Toronto, cglee@mie.utoronto.ca, Sajjad Najafi, Sami Najafi-Asadolahi, Steven Nahmias

3 - Competing With Responsive Follower: Imitator And Strategic Consumers
Mike Mingcheng Wei, University at Buffalo, mcwei@buffalo.edu

4 - Dynamic Pricing Of The Fixed-term Subscription Contract Offered To The Strategic Customers
Roozbeh Yousefi, Smith School of Business, 143 Union St., Kingston, ON, K7L 3N6, Canada, r.yousefi@queensu.ca, Yuri Levin, Mikhail Nediak, Jue Wang

■ WE43

208A-MCC

Decision Analysis Arcade II

Sponsored: Decision Analysis

Sponsored Session

Chair: Alba Rojas, Virginia Tech, Progress Street, Blacksburg, VA, 24060, United States, albarc@vt.edu

1 - Adaptive Clinical Trials And The Hot Stove Effect
Alba Rojas-Cordova, Virginia Tech, Blacksburg, VA, United States, albarc@vt.edu, Niyousha Hosseinichimeh

2 - Sequential Exploration With Geological Dependencies And Uncertainty In Oil Prices
Babak Jafarizadeh, Statoil, Sandsliveien 90, SE-SV ND2, Bergen, 5020, Norway, bajaf@statoil.com

3 - Sequential Sample Allocation For Multiple Attribute Selection Decisions
Dennis D Leber, NIST, 100 Bureau Drive, MS 8980, Gaithersburg, MD, 20899-8980, United States, dennis.leber@nist.gov, Jeffrey W Herrmann

■ WE44

208B-MCC

Perceptions, Behavior, and Decisions

Sponsored: Decision Analysis

Sponsored Session

Chair: Franklyn Koch, Koch Decision Consulting, Eugene, OR, United States, kochfg@gmail.com

Co-Chair: Gregory L Hamm, Stratelytics, LLC, Alameda, CA, United States, ghamm@strts.com

1 - Perceived Catastrophic Risks In Sequential Social Networks
Shu Huang, Master Candidate, Tsinghua University, Tsinghua University, Haidian District, Beijing, 100084, China, huang-s15@mails.tsinghua.edu.cn, Chen Wang

2 - Bipolar Cardinal Ranking For Group Disagreement Evaluations
Aron Larsson, Associate Professor, Stockholm University, Postbox 7003, Kista, SE-16407, Sweden, aron@dsv.su.se, Tobias Fasth

3 - Effects Of Total Cost Of Ownership on Automobile Purchasing Decisions
Muhammed Sutcu, Assistant Professor, Abdullah Gul University, Sumer Campus, Erkilet Bulvari, Kayseri, 38060, Turkey, muhammed.sutcu@agu.edu.tr

■ WE45

209A-MCC

Simulation and Optimization

Contributed Session

Chair: B Vermeulen, Eindhoven University of Technology, Eindhoven, Netherlands, b.vermeulen@tue.nl

1 - Bi-level Stochastic Approximation For Decomposable Stochastic Optimization Formulations
Soumyadip Ghosh, IBM TJ Watson Research Center, 1101 Kitchawan Road, Route 134, Yorktown Heights, NY, 10598, United States, ghoshs@us.ibm.com, Ebisa Wollega, Mark S Squillante

2 - A Decentralized Solution To The Car Pooling Problem
Pawel J. Kalczynski, Professor of IS and Decision Sciences, California State University-Fullerton, 800 N State College Blvd., Fullerton, CA, 92834-6848, United States, PKalczynski@fullerton.edu, Malgorzata Miklas-Kalczynska

3 - Avoiding Singularities In Parallel Robotic System Design
Cameron Turner, Associate Professor, Clemson University, 206 Fluor Daniel EIB, Clemson, SC, 29634-0921, United States, cturne9@clemson.edu, Sean Fry

4 - MO-COMPASS For Constrained Simulation Optimization
Haobin Li, Institute of High Performance Computing, A*STAR, 1 Fusionopolis Way, #16-16 Connexis North, Singapore, 138632, Singapore, lihb@ihpc.a-star.edu.sg, Xiaofeng Yin, Wanbing Zhang, Loo Hay Lee

5 - Approximate, Adaptive Maintenance Scheduling Of Maritime Assets Under Different Operating Modes
B Vermeulen, Eindhoven University of Technology, Eindhoven, Netherlands, b.vermeulen@tue.nl, Sena Eruguz, Tarkan Tan, Geert-Jan Van Houtum

■ WE46

209B-MCC

Revenue Management and Pricing with Consumer Choice Models

Sponsored: Revenue Management & Pricing

Sponsored Session

Chair: Ruxian Wang, The Johns Hopkins Carey Business School, 100 International Dr, Baltimore, MD, 21202, United States, ruxian.wang@jhu.edu

1 - Product Line Design And Pricing Under Logit Model
Anran Li, Columbia University, al2942@columbia.edu

2 - Demand Estimation Under The Multinomial Logit Model From Sales Transaction Data
Tarek Abdallah, New York University, New York, NY, United States, tabdalla@stern.nyu.edu, Gustavo Jose Vulcano

3 - Pricing And Assortment Management Under New Choice Models
Ruxian Wang, Johns Hopkins Carey Business School, Baltimore, MD, 21202, United States, ruxian.wang@jhu.edu

■ WE48

210-MCC

Social Media Collective

Invited: Social Media Analytics

Invited Session

Chair: Lauren Rhue, Wake Forest University, 212 Farrell Hall, Winston-Salem, NC, 27106, United States, rhuela@wfu.edu

1 - Communication Of Collective Action Over Time: The Arousal, Interpretation, And Realization Model
Sung Won Kim, University of Illinois at Urbana Champaign, swk@illinois.edu, Shaila Miranda

2 - Who Gets Started On Kickstarter? Demographic Variation In Crowdfunding Success Rates
Jessica Clark, Stern, jclark@stern.nyu.edu, Lauren Rhue

3 - Watch Where You Eat!
Jorge Mejia, University of Maryland, jmejia@rhsmith.umd.edu

■ WE49

211-MCC

Teaching OR at Service Academies

Sponsored: Education (INFORMED)

Sponsored Session

Chair: Richard McGrath, United States Naval Academy, 121 Blake Road, Annapolis, MD, 21402, United States, rmcgrath@usna.edu

1 - Teaching Operations Research At The United States Naval Academy
Richard G McGrath, United States Naval Academy, mcgrathrg@alum.mit.edu

2 - Teaching Operations Research At The United States Air Force Academy
Gerry Gonzalez, United States Air Force Academy, Colorado Springs, CO, United States, gonzalezgo@aol.com, Jesse Pietz

3 - Teaching Operations Research At The United States Coast Guard Academy
Melinda D. McGurer, Head, Department of Mathematics, United States Coast Guard Academy, 15 Mohegan Avenue, New London, CT, 06320, United States, melinda.d.mcgurer@uscg.mil, Eric C. Johnson

■ WE50

212-MCC

Opt, Nonlinear Programming II

Contributed Session

Chair: Carlos Deck, PhD Student, UC Berkeley, 4141 Etcheverry Hall, University of California Berkeley, Berkeley, CA, 94720, United States, cgdeck@berkeley.edu

1 - An Eigenvalue Decomposition Based Branch And Bound Algorithm For Nonconvex Qcqp With Convex Quadratic Constraints
Qingwei Jin, Zhejiang University, School of Management, 866 Yuhangtang Road, Hangzhou, 310058, China, qingweijin@gmail.com, Cheng Lu, Zhibin Deng

2 - Deployment Of Patrolling And Stationary Service Vehicles For Freeway Incident Management
Mohsen Parsafard, University of South Florida, 14440 Hellenic Drive, Apt 206, Tampa, FL, 33613, United States, parsafard@mail.usf.edu, Xiaopeng Li, Zhenyu Wang, Pei-Sung Lin

3 - Solutions Of Complementarity Problems Monotone With Respect To Parameters
Vyacheslav V. Kalashnikov, Professor and Researcher, Tecnologico de Monterrey, ITESM, Campus Monterrey, Ave. Eugenio Garza Sada 2501 Su, Monterrey, 64849, Mexico, kalash@itesm.mx Nataliya I. Kalashnykova, Mariel A. Leal-Coronado

4 - Solving Lps Using Parametric Quadratic Programming
Carlos Deck, PhD Student, UC Berkeley, 4141 Etcheverry Hall, University of California - Berkeley, Berkeley, CA, 94720, United States, cgdeck@berkeley.edu

■ WE53

Music Row 1- Omni

DMA Text Mining

Contributed Session

Chair: Bill DeGray, IT Program Manager, Deloitte Services, LP, Hermitage, TN, 37076, United States, william.degray@gmail.com

1 - Cognitive Analytics For Financial Compliance
Aditya Vempaty, IBM Research, Yorktown Heights, NY, United States, avempat@us.ibm.com, Elham Khabiri, Swapna Buccapatnam, Matthew Riemer, Ta-Hsin Li, Ashish Jagmohan

2 - On Determining The Viability Of Parametric Cost Forecasting Of Agile Software Development Projects To Improve Project Cost Forecasts
Bill DeGray, IT Program Manager, Deloitte Services, LP, Hermitage, TN, 37076, United States, william.degray@gmail.com

■ WE54

Music Row 2- Omni

Value Co-creation

Sponsored: Service Science

Sponsored Session

Chair: Ralph D Badinelli, Professor, Virginia Tech, Blacksburg, VA, 24061, United States, RALPHB@vt.edu

1 - Empirical Analysis Of Hospital Behaviors Resulting From Value Based Purchasing
Gregory Heim, Mays Business School, Texas A & M University, College Station, TX, 77845, United States, GHeim@mays.tamu.edu

2 - Value Derivation In The Service Journey
Ralph Badinelli, Virginia Tech, ralphb@vt.edu

■ WE55

Music Row 3- Omni

E Business/Commerce II

Contributed Session

Chair: Avijit Sarkar, Associate Professor, University of Redlands, 1200 E Colton Avenue, Redlands, CA, 92373, United States, avijit_sarkar@redlands.edu

1 - Why Some Markets Refuse Innovation And Entrepreneurship, When They Say They Love It: Evidence From Uber's Transportation Network Service
Robert Seamans, New York University-Stern, 1 Washington Square Village, # 7J, New York, NY, 10012, United States, rseamans@stern.nyu.edu, Sukhun Kang, Yongwook Paik

2 - The Effect Of Individual Characteristics On Online Purchase Decision Processes And Outcomes
K. Nadia Papamichail, Senior Lecturer (Associate Professor), University of Manchester, Manchester Business School, Booth Street East, Manchester, M15 6PB, United Kingdom, nadia.papamichail@manchester.ac.uk, Sahar Karimi, Christopher P. Holland

3 - Subscribe Or Sell: Itunes Versus Google Play Music All Access
Hooman Hidaji, Alberta School of Business, 2-24 Alberta School of Business, Edmonton, AB, T6G 2R6, Canada, hooman.hidaji@ualberta.ca

4 - Socioeconomic Determinants And Geographic Patterns Of Internet Use For E-commerce And E-entertainment In Counties Of The United States
Avijit Sarkar, Associate Professor, University of Redlands, 1200 E Colton Avenue, Redlands, CA, 92373, United States, avijit_sarkar@redlands.edu, James B Pick

■ WE56

Music Row 4- Omni

Decision Support Systems III

Contributed Session

Chair: Munirpallam A Venkataramanan, Professor, Indiana University, Bryan Hall, 100, 107 S. Indiana Avenue, Bloomington, IN, 47405, United States, venkatar@indiana.edu

2 - An Operational Control Design Methodology For Warehouse Order Fulfillment
Timothy Sprock, Post Doctoral Fellow, Georgia Institute of Technology, 755 Ferst Dr, NW, Georgia Institute of Technology, Atlanta, GA, 30332, United States, tsprock3@gatech.edu

3 - Analytic Approaches In Higher Education Administration
Munirpallam A Venkataramanan, Professor, Indiana University, Bryan Hall, 100, 107 S. Indiana Avenue, Bloomington, IN, 47405, United States, venkatar@indiana.edu, Kathryn Ernstberger

■ WE58

Music Row 6- Omni

Finance IV

Contributed Session

1 - Re-Evaluating The Performance Of Markowitz's Portfolio Selection Model In Terms Of The Distance Measure Approach
Hunbae Jeon, Master Student, Yonsei University, 109-1902, Lotte Apt., 31, Saemal-ro, Guro-gu, School of Business (Bld.#212) Rm.#301, Seoul, 08291, Korea, Republic of, hborjh1021@naver.com, Hongseon Kim, Seongmoon Kim

2 - Official Visits And Firms' Employee: Evidences From China
Qiu Muqing, Tongji University, Siping Road, Shanghai, China, qsolemn@126.com

3 - A Real Option Analysis On Performance-sensitive Debt
Bo Liu, University of Electronic Science and Technology of China, No.2006, Xiyuan Ave, West Hi-Tech Zone, Chengdu, 611731, China, b.liu07@fulbrightmail.org

■ WE59

Cumberland 1- Omni

Supply Chain Networks Design under Uncertainty

Sponsored: TSL, Facility Logistics

Sponsored Session

Chair: Nima Sadghiani, University of Michigan, Ann Arbor, MI, 12121, United States, nsalehi@umich.edu

1 - Rolling Stock Maintenance Location Routing: Stochastic And Robust Programming Formulations
Denise Désirée Tönissen, Eindhoven University of Technology, Eindhoven, Netherlands, D.D.Tonissen@tue.nl, Zuo-Jun Max Shen, Joachim Jacob Arts

2 - Global Sourcing Under Correlated Uncertainties: A Scenario-based Stochastic Programming Approach
Nima Salehi Sadghiani, University of Michigan, 3545 GreenBrier Blvd,, Apt. 39A, Ann Arbor, MI, 48105, United States, nsalehi@umich.edu, Mark Stephen Daskin, Don Zhang, Mark Everson, Michael Sanders

■ WE60

Cumberland 2- Omni

Collaborative Logistics

Sponsored: TSL, Freight Transportation & Logistics

Sponsored Session

Chair: Brett Shields, UTSI, 411 B.H. Goethert Parkway, Tullahoma, TN, 1, United States, bshields@utsi.edu

1 - A Classification For Collaborative Logistics State Of The Art Analysis
Andrea Rusich, Univeristy of Trieste, Andrea.Rusich@phd.units.it

2 - Vehicle Routing Problem In Collaborative Environments: Introducing An Exchange Mechanism For Orders.
Vincent Karels, TUE, v.c.g.karels@tue.nl

3 - Fair Sharing Approach For Network-wide Adoption Of Collaborative Container Logistics
Rob A Zuidwijk, Professor of Ports in Global Networks, Erasmus University Rotterdam, P.O. Box 1738, Rotterdam, 3000 DR, Netherlands, rzuidwijk@rsm.nl, Irina Romochkina, Peter van Baalen

4 - A Stochastic Make Or Buy Model Considering Additive Manufacturing In Supply Chain
Brett Shields, University of Tennessee Knoxville, 411 B.H. Goethert Parkway, Tullahoma, TN, United States, bshields@utsi.edu, Javad Seif, Andrew Yu

■ WE61

Cumberland 3- Omni

Facility Location

Contributed Session

Chair: Zhaomiao Guo, Universtiy of California, Davis, 609 Anderson Road,, Apt. 264, Davis, CA, 95616, United States, zmguo@ucdavis.edu

1 - Service Network Design With Equilibrium Constraints Based On General M/g/1 Waiting Time
Mahdi Hamzeei, Post Doctoral Fellow, University of Maryland, Baltimore, 685 West Baltimore Street, MSTF 7-00D, Baltimore, MD, 21201, United States, hamzeei.m@gmail.com, Amir Ahmadi Javid

2 - Service Level Restrictions In Location Problems With Disproportionate Assignment Costs
Jeremy W North, Murray State University, 9400 Wickliffe Rd., Wickliffe, KY, 42087, United States, jnorth@murraystate.edu, Robert M Nauss

3 - A Continuum Approximation Method For Reliable Facility Location Design With Imperfect Information
Hongqiang Fan, University of South Florida, Tampa, FL, United States, hongqiangfan@mail.usf.edu, Xiaopeng Li, Lifen Yun

4 - Facility Location In A Competitive Market: Incorporating Network Congestion Effects
Zhaomiao Guo, Universtiy of California, Davis, 609 Anderson Road,, Apt. 264, Davis, CA, 95616, United States, zmguo@ucdavis.edu, Yueyue Fan

■ WE62

Cumberland 4- Omni

Passengers and Parts: Analytics and Machine Learning in Aviation

Sponsored: Aviation Applications

Sponsored Session

Chair: Catherine Cleophas, RWTH Aachen University, Kackertstr. 7, Aachen, 52072, Germany, catherine.cleophas@rwth-aachen.de

Co-Chair: Phillip Mah, Boeing, Commerce, Richmond, BC, V6V 2L1, Canada, phillip.mah@aeroinfo.com

1 - Predictive Maintenance from Analysis Of Airplane Sensor Data
Phillip Mah, Boning, Commerce, Richmond, BC, V6V 2L1, Canada, phillip.mah@aeroinfo.com, Ruiwei Jiang, Dawen Nozdryn-Plotnicki

2 - Applications Of Text Mining Techniques To Fleet Health And Maintenance Data
Bingjing Yu, Boeing Vancouver, 1146 Homer Street, Vancouver, BC, V6B 2X6, Canada, bingjing.yu@aeroinfo.com, Gaku Tobinobu, Candice Chan, Ehsan Nobakht

3 - On The Flight Choice Behaviour Of Business Purpose Passengers In The Australian Domestic Market
Cheng-Lung Wu, Associate Professor, UNSW Australia, School of Aviation, UNSW Australia, Kensington, NSW 2052, Australia, c.l.wu@unsw.edu.au, Hanson So

■ WE63

Cumberland 5- Omni

Urban Operations Research

Sponsored: Location Analysis

Sponsored Session

Chair: Daisuke Watanabe, Tokyo University of Marine Science and Technology, 2-1-6 Etchujima, Koto-ku, Tokyo, 135-8533, Japan, daisuke@kaiyodai.ac.jp

1 - Coverage Modeling In Public Street Lighting
Alan T. Murray, University of California at Santa Barbara, Santa Barbara, CA, 93106, United States, amurray@ucsb.edu, Xin Feng

2 - A Robust Optimization Approach For Ambulance Location Problem
Hozumi Morohosi, National Graduate Institute for Policy Studies, morohosi@grips.ac.jp, Takehiro Furuta

3 - Generalized Weighted Benefit And Maximal Expected Covering Location Problem
Daisuke Watanabe, Tokyo University of Marine Science and Technology, daisuke@kaiyodai.ac.jp, Richard Church

■ WE64

Cumberland 6- Omni

Vector Optimization: Algorithms and Applications

Sponsored: Multiple Criteria Decision Making

Sponsored Session

Chair: Firdevs Ulus, Bilkent University, Ankara, Turkey, firdevs@bilkent.edu.tr

1 - Multiobjective Risk-averse Two-stage Stochastic Programming
Cagin Ararat, Assistant Professor, Bilkent University, Ankara, 06800, Turkey, cararat@bilkent.edu.tr, Ozlem Cavus

3 - Convex Vector Optimization Problems: Unboundedness
Firdevs Ulus, Bilkent University, firdevs@bilkent.edu.tr

2 - Quantification Of The Robustness Gap For Uncertain Multiobjective Optimization Problems
Corinna Krüger, Georg August University Göttingen, Göttingen, Germany, ckrueger@math.uni-goettingen.de, Anita Schöbel, Margaret M Wiecek

■ WE65

Mockingbird 1- Omni

Advanced Monitoring Techniques for Complex Data

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Mohammed Saeed Shafae, Virginia Polytechnic Institute and State University, TBD, Blacksburg, VA, 00000, United States, shafae1@vt.edu

Co-Chair: Lee Wells, Western Michigan University, 1903 W Michigan Ave, Kalamazoo, MI, 49008, United States, lee.wells@wmich.edu

1 - Statistical Process Monitoring Of Multimode Shape Profiles
Kai Wang, Hong Kong University of Science and Technology, kwangai@connect.ust.hk

2 - A Bayesian Self-starting Control Chart For Count Data
Baosheng He, University of Iowa, Iowa City, IA, United States, baosheng-he@uiowa.edu, Yong Chen

3 - Functional Regression Based Monitoring Of Service Systems
Devashish Das, Mayo Clinic, 2015, 41st Street NW, F47, Rochester, MN, 55901, United States, das.devashish@mayo.edu, Kalyan Pasupathy, Curtis B. Storlie, Mustafa Y Sir

■ WE66

Mockingbird 2- Omni

Service Robotization: Building a Collaborative research Agenda for Interactive Service Robots

Sponsored: Service Science

Sponsored Session

Chair: Thorsten Gruber, Loughborough University, Centre for Service Management, Sir Richard Morris Building, Loughborough, LE11 3TU, United Kingdom, T.Gruber@lboro.ac.uk

Co-Chair: Willy Barnett, The University of Manchester, Manchester Business School, Manchester, M13 9QS, United Kingdom, willy.barnett@postgrad.mbs.ac.uk

1 - Human-robot Interaction For Real-world Situations
Julie Adams, Professor/Computer Science & Computer Engineering, Vanderbilt University, Nashville, TN, 37212, United States, julie.a.adams@vanderbilt.edu

2 - Developing an Innovative Research Methods Toolkit To Explore User Perceptions Of HRI: Part 1- The Laddering +ZMET Method
Thorsten Gruber, Loughborough University, Sir Richard Morris Building, Loughborough, United Kingdom, T.Gruber@lboro.ac.uk, Kathy Keeling

3 - Developing an Innovative Research Methods Toolkit To Explore User Perceptions Of HRI: Part 2 – The Netnography Method
Kathy Keeling, University of Manchester, Booth Street West, Manchester, United Kingdom, kathy.keeling@manchester.ac.uk

4 - Older Consumers Value Perceptions Of Service Robots: Exploring The Intersection Of Marketing, Robotics, And Design
Willy Barnett, The University of Manchester, Manchester Business School, Manchester, M13 9QS, United Kingdom, willy.barnett@postgrad.mbs.ac.uk

■ WE67

Mockingbird 3- Omni

High Dimensional Statistical Process Monitoring and Diagnosis

Sponsored: Quality, Statistics and Reliability

Sponsored Session

Chair: Yan Jin, University of Washington, Seattle, WA, United States, yanjin@uw.edu

Co-Chair: Shuai Huang, University of Washington, shuaih@uw.edu

1 - Parametric Uncertainty Propagation In Potassium Channel Model Of Mouse Ventricular Myocytes
Dongping Du, Texas Tech University, dongping.du@ttu.edu

2 - Correlation Based Adaptive Sampling Strategy For Online Monitoring Of Correlated High Dimensional Data Streams
Mohammad Nabhan, Georgia Institute of Technology, m.nabhan33@gmail.com, Jianjun Shi

3 - An Effective Online Data Monitoring And Saving Strategy For Large-scale Climate Simulations
Xiaochen Xian, University of Wisconsin - Madison, Madison, WI, xxian@wisc.edu, Kaibo Liu

4 - A Wavelet-based Penalized Mixed-effects Model For Multichannel Profile Detection Of In-line Raman Spectroscopy
Xiaowei Yue, Georgia Institute of Technology, xwy@gatech.edu, Hao Yan, Jin Gyu Park, Richard Liang, Jianjun Shi

■ WE69

Old Hickory- Omni

Dynamic Programming /Control

Contributed Session

Chair: Jefferson Huang, Postdoctoral Associate, Cornell University, Ithaca, NY, United States, jh2543@cornell.edu

1 - Segmentation Of Anatomical Structures Using Dynamic Identification And Classification Of Edges (dice) Model In Medical Images
Maduka M. Balasooriya, Teaching Assistant, Southern Illinois University, Edwardsville, Edwardsville, IL, 62026, United States, mbalaso@siue.edu, Sinan Onal, Xin W Chen

2 - Military Applications Of Approximate Dynamic Programming: Optimizing Helicopter Lift Operations
James Grymes, Instructor, United States Military Academy, 646 Swift Rd, West Point, NY, 10996, United States, james.grymes@usma.edu

3 - Value Function Discovery In Markov Decision Processes
Sandjai Bhulai, Vrije Universiteit Amsterdam, Faculty of Sciences, De Boelelaan 1081a, Amsterdam, 1081 HV, Netherlands, s.bhulai@vu.nl, Martijn Onderwater, Robert van der Mei

4 - Making College Admission Offers: A Dynamic Programming Approach
Subhamoy Ganguly, Indian Institute of Management Udaipur, IIM Udaipur, MLSU Campus, Udaipur, 313001, India, subhamoy.ganguly@iimu.ac.in, Michele Samorani, Ranojoy Basu, Viswanathan Nagarajan

5 - Reductions Of Undiscounted Markov Decision Processes And Stochastic Games To Discounted Ones
Jefferson Huang, Postdoctoral Associate, Cornell University, Ithaca, NY, United States, jh2543@cornell.edu, Eugene A Feinberg

■ WE71

Electric- Omni

Game Theory V

Contributed Session

Chair: Edward Cook, Senior Vice President, Capital One, 4 Bisley Court, Henrico, VA, 23238, United States, Ed.cook2000@gmail.com

1 - Bayesian Opponent Exploitation In Imperfect-information Games
Sam Ganzfried, Ganzfried Research, 55 West 26th Street #36E, New York, NY, 10010, United States, sam.ganzfried@gmail.com

2 - Strategic Decentralization: Implications For Equity And Equality
Omkar D Palsule-Desai, Faculty, Indian Institute of Management Indore, Rau Pithampur Road, Wing C, Ground Floor, Indore, 453331, India, omkardpd@iimidr.ac.in

3 - A Nonlinear Programming Approach For Determining A General Equilibrium For N-person Games
Ahmad Nahhas, Gradiate Researcj Associate I, University of Texas at Arlington, 706 W Mitchell Cir Apt 621, Arlington, TX, 76013, United States, ahmad.nahhas@mavs.uta.edu, H. W. Corley

4 - Stability Analysis Of Horizontal Mergers In A Market With Asymmetric Substitutability
Kohei Takeda, Keio University, Hiyoshi 3-14-1 Kohoku-ku, Yokohama, 2238522, Japan, tkdkt.k@gmail.com, Nobuo Matsubayashi

5 - Applying Game Theory To Multiobjective Multistakeholder Decisions
Edward Cook, Senior Vice President, Capital One, 4 Bisley Court, Henrico, VA, 23238, United States, Ed.cook2000@gmail.com

■ WE72

Bass- Omni

Supply Chain, Decision II

Contributed Session

Chair: Emre Berk, Bilkent University, Faculty of Business Administration, Ankara, 6533, Turkey, eberk@bilkent.edu.tr

1 - Network Characteristics And Supply Chain Disruption Resilience
Yuhong Li, Virginia Tech, Blacksburg, VA, United States, yuhongli@vt.edu, Christopher Zobel, Onur Seref

2 - Supply Chain Cooperation In Enterprise Platform Transformation Strategies
Lyu Gaoyan, PhD, Guanghua School of Peking University, Beijing, China, swallowlvgaoyan@sina.com

3 - Optimal Product Design And End-of-Life Options For an OEM Under Different Pricing Strategies
Jie Zhang, PhD Student, Virginia Tech, 852 Claytor Square, Blacksburg, VA, 24060, United States, jiezhang@vt.edu

4 - Quantifying The Benefits Of Continuous Replenishment Program For Partner Selection
Payam Parsa, PhD Candidate, University of Arkansas, 1818 W Bedford Loop, Apt 3, Fayetteville, AR, 72701, United States, pparsa@uark.edu, Manuel D Rossetti, Shengfan Zhang, Edward A Pohl

5 - The Newsvendor Problem Re-visited With Novel Funding Schemes
Emre Berk, Bilkent University, Faculty of Business Administration, Ankara, 06533, Turkey, eberk@bilkent.edu.tr

■ WE73

Legends A- Omni

Operations Management IX

Contributed Session

Chair: Feng Xu, Georgia Southwestern State University, School of Business Administration, 800 GSW State University Drive, Americus, GA, 31709, United States, fenghsu@hotmail.com

1 - Two-stage Supply Chain With Product Substitution From Different Carbon Emissions And Government Intervention
Wang Chuanxu, Dean, Shanghai Maritime University, 1550 Haigang Ave, Shanghai, 201306, China, cxwang18@aliyun.com

2 - A Study On The Effect Of Life-skills Improvement With Team-based Learning In Operations Management
Sungyong Choi, Assistant Professor, Yonsei University, College of Government and Business, 1 Yoneseidae-gil, Wonju, 26493, Korea, Republic of, sungyongchoi@gmail.com

3 - Log-linear Analysis Of Moral Duties Of Transformative Leadership
Feng Xu, Georgia Southwestern State University, School of Business Administration, 800 GSW State University Drive, Americus, GA, 31709, United States, fenghsu@hotmail.com

■ WE74

Legends B- Omni

Ops/Economics Inter

Contributed Session

Chair: Huaqing Wang, Assistant Professor, Emporia State University, 1 Kellogg Circle, Emporia, KS, 66801, United States, hwang4@emporia.edu

1 - Optimal Bundling Of Information Goods In A Duopoly
Araz Khodabakhshian, UCLA Anderson School of Management, 501 Gayley Avenue, Apt 11, Los Angeles, CA, 90024, United States, araz.khodabakhshian.1@anderson.ucla.edu, Uday S Karmarkar, Guillaume Roels

2 - Launching Next Generation Products In A Competitive Market
Xishu Li, Erasmus University, Mandeville (T) Building, Room 9-56, Erasmus University, Rotterdam, 3062PA, Netherlands, x.li@rsm.nl, Rob A Zuidwijk, M.B.M. (Rene) de Koster

3 - Retailer Strategic Pricing Under Sticky Demand
Zheng Li, Student, Texas A&M University, 263 Navarro Dr, College Station, TX, 77845, United States, lzrain@tamu.edu, Haoying Sun, Xirong Chen, Haipeng Chen

4 - Association Between Relatedness In Diversification And Performance Of Us Public Firms
Muhammad Zubair, Nanyang Business School, 50 Nanyang Avenue, Blk S3-01B-73, Singapore, 639798, Singapore, c130016@e.ntu.edu.sg, Chen Chien-Ming

5 - Product Quality Differentiation Through Information Provision
Huaqing Wang, Assistant Professor, Emporia State University, 1 Kellogg Circle, Emporia, KS, 66801, United States, hwang4@emporia.edu, Haresh B Gurnani, Raphael Boleslavsky

■ WE75

Legends C- Omni

Ops/Finance & Economics

Contributed Session

Chair: Panayotis Markou, IE Business School, Calle Maria de Molina 12, Bajo, Madrid, 28006, Spain, pmarkou.phd2016@student.ie.edu

1 - How To Handle Extreme Supply Chain Situation
Wenqing Zhang, University of Minnesota Duluth, 1318 Kirby Drive, Labovitz School of Business and Economics, Duluth, MN, 55812, United States, zhangwenqing@gmail.com, Prasad Padmanabhan, Chia-Hsing Huang

2 - Organizational Design: Scale, Scope, Focus And Decentralization
Phillip J Lederer, Professor, University of Rochester, Box 270100, Rochester, NY, 14627, United States, Lederer@simon.rochester.edu

3 - Volatility Spillover Dynamics In Chinese Steel Markets
Wen Fang, Xidian University, Xi'An, China, az-moju@163.com

4 - Optimal Design Of Discrete Dutch Auction With Time Limitation
Jinfeng Yue, Middle Tennessee State University, Department of Managment and Marketing, Murfreesboro, TN, 37132, United States, jinfeng.yue@mtsu.edu, Jinfeng Yue, Shanghai University of Finance and Economics, Shanghai, China, jinfeng.yue@mtsu.edu, Zhen Li

5 - The Effects Of Financial And Operational Hedging On Operational Variables: Evidence From The Gold Mining Industry
Panayotis Markou, IE Business School, Calle Maria de Molina 12, Bajo, Madrid, 28006, Spain, pmarkou.phd2016@Student.ie.edu, Daniel S Corsten

■ WE76

Legends D- Omni

Decision Analysis

Contributed Session

Chair: Tao Du, Beijing Insititute and Technology, Beijing, China, dutao0608@163.com

1 - The Impact Of Capability Portfolio on Competitive Position Between Industry Duopoly
Yanyun Zhang, Guanghua School of Management, Peking University, Beijing, China, yanyunzhang2010@163.com

2 - Resource Optimization Based On Data Envelopment Analysis - Dynamic Programming Method
Tao Du, Beijing Insititute and Technology, Beijing, China, dutao0608@163.com

■ WE77

Legends E- Omni

Opt, Large Scale III

Contributed Session

Chair: Tao Jiang, Purdue University, 403 W. State Street, Krannert School of Management, West Lafayette, IN, 47906, United States, taujiang@purdue.edu

1 - Robust Principal Component Analysis In Multiclass Problem Structures
Sam Davanloo, Ohio State University, Columbus, OH, United States, sdt144@vt.edu, Xinwei Deng

2 - Stability Of The Stochastic Gradient Method For Approximated Large Scale Kernel Machine Using Random Fourier Features
Aven Samareh, PhD Student, University of Washington, 4324 8th ave NE, D7, Seattle, WA, 98105, United States, asamareh@uw.edu, Mahshid Salemi Parizi

3 - Modeling Improvements And Refinements To The Fleet Modernization Capability Portfolio Analysis Tool
Frank Muldoon, Sandia National Labs, 1525 Summit Hills Drive NE, Albuquerque, NM, 87112, United States, fmmuldo@sandia.gov, Matthew Hoffman, Stephen Henry, Lucas Waddell, Peter Backlund

4 - An Iterative Rounding Algorithm And Almost Feasibility For Nonconvex Optimization
Tao Jiang, Purdue University, 403 W. State Street, Krannert School of Management, West Lafayette, IN, 47906, United States, taujiang@purdue.edu, Thanh Nguyen, Mohit Tawarmalani

■ WE78

Legends F- Omni

Opt, Linear Programing

Contributed Session

Chair: Joseph L Trask, North Carolina State University, 3500 Mill Tree Rd, Apt B2, Raleigh, NC, 27612, United States, jltrask@ncsu.edu

1 - Optimal Assignment Of Inspection Stations In A Flowline
Md Shahriar Jahan Hossain, Louisiana State University, 2508 Patrick F. Taylor Hall, Baton Rouge, LA, 70803, United States, msjhossain1@gmail.com, Bhaba R Sarker

2 - The Double Pivot Simplex Method
Fabio T Vitor, Graduate Teaching Assistant, Kansas State University, 2061 Rathbone Hall, 1701B Platt St., Manhattan, KS, 66506, United States, fabioftv@k-state.edu, Todd W Easton

3 - Inverse Optimization For Utility Measurement
Yu-Ching Lee, National Tsing Hua University, Hsinchu, Taiwan, ylee77@illinois.edu, Yi-Hao Huang, Ciou Si-Jheng

4 - Determining The Aggregate Plan: A Cross-functional Perspective
Kathleen Iacocca, Villanova University, Villanova, PA, United States, kathleen.iacocca@villanova.edu, Kingsley Gnanendran

■ WE80

Broadway E- Omni

Retail Mgt II

Contributed Session

Chair: H. Sebastian Heese, EBS University, ISCM, Burgstr. 5, Oestrich-Winkel, 65375, Germany, sebastian.heese@ebs.edu

1 - Consumer Perceptions Of Return Policies
Yue Cheng, Pennslyvania State University, 460A Business Building, University Park, PA, 16802, United States, yuc190@psu.edu, Daniel Guide, Margaret Meloy

2 - Immediate And Long-term Benefits Of In-store Return Experience
Necati Ertekin, Assistant Professor, Santa Clara University, 500 El Camino Real, Santa Clara, CA, 95053, United States, nertekin@scu.edu

3 - Effects Of Assortment Size Announcements On Manufacturer Competition
H. Sebastian Heese, EBS University, ISCM, Burgstr. 5, Oestrich-Winkel, 65375, Germany, sebastian.heese@ebs.edu, Victor Martinez de Albeniz

■ WE82

Broadway G- Omni

Multicriteria Decision II

Contributed Session

Chair: Tommi Juhani Pajala, Aalto University School of Business, Runeberginkatu 22-24, Helsinki, 100, Finland, tommi.pajala@aalto.fi

1 - An Integrated Black Topsis And Grey Linear Programming Approach To Deal With Uncertainty And Confidence Level Of Decision Makers
Hanif Malekpoor, PhD Student, University of East Anglia, Norwich Research Park, Norwich, NR4 7TJ, United Kingdom, H.Malekpoor@uea.ac.uk

2 - A Multi-criteria Decision Making Model For Evaluating Alternatives Under Large And Distinct Decision Makers
Anthony Afful-Dadzie, University of Ghana, P.O. Box LG 78, Legon, Accra, Ghana, atosarsah@gmail.com

3 - P-center And P-dispersion Problems: A Bi-criteria Analysis
Golbarg Kazemi Tutunchi, Operations Research Specialist, SAS Institute, 100 SAS Campus Dr,, Cary, NC, 27513, United States, golbarg.tutunchi@sas.com, Yahya Fathi

4 - Judgments Of Importance Revisited: What Do They Mean?
Tommi Juhani Pajala, Aalto University School of Business, Runeberginkatu 22-24, Helsinki, 00100, Finland, tommi.pajala@aalto.fi, Pekka J Korhonen, Jyrki Wallenius

■ WE83

Broadway H- Omni

Supply Chain, General

Contributed Session

Chair: Arda Yenipazarli, Assistant Professor of Operations Management, Georgia Southern University, 2224 College Of Business Administration, Department of Logistics & Supply Chain Management, Statesboro, GA, 30460, United States, ayenipazarli@georgiasouthern.edu

1 - Mechanism Design In Pet Bottle Recycling Auction
Kazuaki Okubo, Assistant Professor, Saitama University, 255 Shimo-okubo, Sakura-ku, Saitama, 338-8570, Japan, okubo@dp.civil.saitama-u.ac.jp

2 - Sales Agents Incentive Contracts In Competing Supply Chains
Samar K Mukhopadhyay, Professor, GSB SKK University, 53 Myeongnyung-dong 3-ga, Jongno-gu, Seoul, 110-745, Korea, Republic of, samar@skku.edu

3 - Managing Speed And Price In Customer-intensive Services
Chengzhang Li, Harbin Institute of Technology, No. 92 West b, Harbin, China, lcz_grown@163.com

■ WE84

Broadway J- Omni

Logistics

Contributed Session

Chair: Andrew Junfang Yu, Associate Professor, The University of Tennessee Knoxville, UT Space Institute, 411 B. H. Goethert Pkwy., MS 19, Tullahoma, TN, 37388-9700, United States, ajyu@utk.edu

1 - A Fix & Optimize Heuristic For Capacitated Foodgrain Inventory Multi-Modal Transportation Problem In Indian Public Distribution System
Ajinkya Tanksale, Doctoral Student, Indian Institute of Technology Kharagpur, IIT Kharagpur, West Bengal, Kharagpur, 721302, India, ajinkya.tank@gmail.com, Jitendra Kumar Jha

2 - Pricing Model Of Feeder And Trunk Routes Combined Transport Based on Revenue Sharing Mechanism
Hualong Yang, Professor, Dalian Maritime University, Room 510, Management Building, 1 Linghai Road, Dalian, 116026, China, hlyang@dlmu.edu.cn

3 - A Multi Objective Hub Location Model For A Distribution Network Under Uncertainty In Demand And Time
Andrew Junfang Yu, Associate Professor, The University of Tennessee Knoxville, UT Space Institute, 411 B.H. Goethert Pkwy., MS 19, Tullahoma, TN, 37388-9700, United States, ajyu@utk.edu, Fahimeh Rahmanniyay

■ WE85

Broadway K- Omni

Sustainability V

Contributed Session

Chair: Hua Cai, Assistant Professor, Purdue University, 315 N. Grant St., West Lafayette, IN, 47907, United States, huacai@purdue.edu

1 - Sustainable Supply Chain Habits: Translating Ethical Practices Into Socially Responsible Supplier Selection And Development Practices
Karen Eboch, Senior Lecturer, Bowling Green State University, Department of Management, BAA 3020, Bowling Green, OH, 43403, United States, eboch@bgsu.edu

2 - On Sustainability Reporting: Increasing Role Of Global Reporting Initiative?
Andriy Shapoval, Georgia Institute of Technology, Atlanta, GA, United States, ashapoval3@gatech.edu, Henry Osadolor Aigbedo, Marina Mattera, Ivan Oliver Hilliard

3 - Climate Change Initiatives In Supply Chains
Alireza Tajbakhsh, McMaster University, DeGroote School of Business, 1280 Main Street West, Hamilton, ON, L8S 4M4, Canada, alirezt@mcmaster.ca

4 - Environmental Benefits Of Individually Optimized Electric Vehicle Battery Range
Hua Cai, Assistant Professor, Purdue University, 315 N. Grant St., West Lafayette, IN, 47907, United States, huacai@purdue.edu, Xiao Shi, Jian Pan

■ WE88

Broadway B-Omni

Strategy/Strategic

Contributed Session

Chair: Hye Ryeong Lim, Seoul National University, Gangnamgu Dogok2dong Academysweet A -1704, Seoul, Korea, Republic of, limhr@snu.ac.kr

1 - Stakeholders' Influence On Mergers And Acquisitions: The Analysis Of The Impact On Acquisition Premium And Deal Completion Probability
JaSeung Koo, Assistant Professor, Kobe International University, 9-1-6 Koyocho-naka, Higashinada-ku, Kobe, 658-0032, Japan, koo.academic@gmail.com

3 - The Relationship Between Deep Level Diversity And Team Benefits: A Mixed Method from China
Yanqiu Song, Central University of Finance and Economics, Haidian, 39th South College Road, Beijing, China, sunny_syq@163.com, Aijing Ran

5 - New Perspectives on Contingent Workers
Hye Ryeong Lim, Seoul National University, Gangnamgu Dogok2dong Academysweet A -1704, Seoul, Korea, Republic of, limhr@snu.ac.kr, Kyung Suk Lee

■ WE90

Broadway D-Omni

Health Care, Modeling XVI

Contributed Session

Chair: Babak Hoseini, PhD Candidate, NJIT, 10 Hill Street, Apartment 2N, Newark, NJ, 7102, United States, bh77@njit.edu

1 - Bi-criteria Appointment Scheduling Of Patients With Heterogeneous Service Sequences
Payman Jula, Associate Professor, Simon Fraser University, Beedie School of Business, WMC 5358, Vancouver, BC, V5A 1S6, Canada, pjula@sfu.ca

2 - Wait Time Announcements At Hospital Emergency Departments
Marco Bijvank, University of Calgary, 2500 University Dr. NW, Calgary, AB, T2N 1N4, Canada, marco.bijvank@haskayne.ucalgary.ca, Zhankun Sun

3 - Modeling The Impact Of Mandated Quality Outcome Thresholds On Transplant Center Wait Times, Patient Mortality, And Unused Organs
Mohammad Delasay, Post-Doctoral Fellow of Operation Managemet, Tepper School of Business, Carnegie Mellon University, 6315 Forbes Avenue, #1105, Pittsburgh, PA, 15217, United States, delasays@cmu.edu, Sridhar R Tayur

4 - Primary Care Scheduling With Urgent Patients In Carve Out Appointment System
Babak Hoseini, PhD Candidate, NJIT, 10 Hill Street, Apartment 2N, Newark, NJ, 07102, United States, bh77@njit.edu, Wenbo (Selina) Cai

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Zha, Liteng MD60, TA60
Zha, Yong WC74
Zhai, Chengwei T-Poster
Zhai, Xin WA84
Zhan, Dongyuan TA57, TB35, TD03
Zhan, Xianyuan TB89, TC89, WC14
Zhan, Yang WA90
Zhan, Yiduo MA09
Zhang, An SD32
Zhang, Anming M-Poster
Zhang, Anpeng SB63
Zhang, Baosen TC06, TC39, WA04
Zhang, Bin TC15
Zhang, Bingfeng MA33
Zhang, Bo TD34, TD47
Zhang, Bonie(He) WB73
Zhang, Bryan MA08
Zhang, Can SD37, MD22, WC29
Zhang, Chao TA59
Zhang, Chen SA66, WE27
Zhang, Cheng MA56, WC84
Zhang, Chi TC66
Zhang, Chunming TD02
Zhang, Dali WA53
Zhang, Danqing MB62
Zhang, Dapeng SC59
Zhang, Dengfeng TA32
Zhang, Dennis SA36, MB49, TB27, TC34, TC35, TC57, WB31
Zhang, Ding TA11
Zhang, Don WE59
Zhang, Dong Xiang WA25
Zhang, Duan SC09
Zhang, Fuqiang SA36, MA86, MB30, TA27, TB53, TD36, WC37
Zhang, Gongqiu SB41
Zhang, Guangyuan SD71, MD70
Zhang, Guoqing TC70
Zhang, Haifeng TD15
Zhang, Han TC72
Zhang, Hanqin SD39, MD36
Zhang, Hao SA29, WB64, WD73
Zhang, He MA07
Zhang, Heng MB46
Zhang, Hong WB58
Zhang, Hongcai WC10
Zhang, Huanan TA90, WA39, WC16
Zhang, Hui TD54, WA21
Zhang, Jian WB10
Zhang, Jianghua MD54
Zhang, Jianjie TA75, T-Poster
Zhang, Jiantong MD54
Zhang, Jianxiong TA25, WD74
Zhang, Jiawei MA40, TB46, WA36
Zhang, Jiayuan TA71
Zhang, Jiding TB27
Zhang, Jie SA55, SD58, MC41, TD57, WC75, WE72
Zhang, Jing SB44
Zhang, Jingran MA71, M-Poster
Zhang, Jinlong TB72
Zhang, Juan MC59
Zhang, Julie MA06
Zhang, Jun MA28, WC08
Zhang, Juzhi TB72
Zhang, Kaike WC83
Zhang, Kairen SA35
Zhang, Ke TC67
Zhang, Kevin TA89
Zhang, Kuilin SA59
Zhang, Kun MA33
Zhang, Laurina MB24
Zhang, Lianmin MC25
Zhang, Lifeng MC25
Zhang, Lihui SC63
Zhang, Lili WB06
Zhang, Ling TB60
Zhang, Linghong WC75
Zhang, Lu WC74
Zhang, Luxia WA51
Zhang, Meilin SC29, WA34
Zhang, Michael T-Poster, WB70
Zhang, Minjiao SC25, TA12
Zhang, Muhong WB78
Zhang, Natasha TB03
Zhang, Pengfei WA11
Zhang, Pengzhu WD15
Zhang, Peter Yun TC23
Zhang, Qing SA36
Zhang, Qingpeng SC02, TD21, WE23
Zhang, Qingyu WA85
Zhang, Qiong WA68
Zhang, Ran SB19, TA65
Zhang, Renyu WC37
Zhang, Rong TA75, T-Poster
Zhang, Rui TC78, TD19
Zhang, Ruiwen TB06
Zhang, Runtong SA54
Zhang, Shengfan SD52, T-Poster, WA02, WD67, WE72
Zhang, Shiting MD54
Zhang, Shu TC59
Zhang, Shuibo WC70
Zhang, Shunyuan SC65
Zhang, Shutian WC18
Zhang, Shuzhong TD74
Zhang, Teng SB17
Zhang, Ting MA72
Zhang, Tong SC15
Zhang, Wanbing WE45
Zhang, Wei TA73, WA54
Zhang, Weili TA51, TD77
Zhang, Wenchang T-Poster, TD46
Zhang, Wenli MD06, WE15
Zhang, Wenlong TA62
Zhang, Wenqing WC85, WE75
Zhang, Wensi MA79
Zhang, Wentao WA36
Zhang, Xi WA67
Zhang, Xiao SC57
Zhang, Xiaochen TC11
Zhang, Xiaojing MD16
Zhang, Xiaopei WC34
Zhang, Xiaopeng MC25, WE53
Zhang, Xiaowei MD33
Zhang, Xin SC61
Zhang, Xingyue WD55
Zhang, Xinhui WC70
Zhang, Xuan MC06
Zhang, Xuechi SD70
Zhang, Yan WE73
Zhang, Yang SA27, MC42, WD68
Zhang, Yanyun WE76
Zhang, Yi SA46, WA73, WB75
Zhang, Yiling SC17
Zhang, Yilu SD10
Zhang, Ying MA63, WC71
Zhang, Yingjie SC65
Zhang, Yiwen WB70, WC70
Zhang, Yongjie WA54
Zhang, Yu MA17, TB05, TD52, WD19
Zhang, Yue MC28, WB55
Zhang, Yuhan SC46
Zhang, Yujia MA01
Zhang, Yuping TD66
Zhang, Zengbo SB08, T-Poster
Zhang, Zhe SB29
Zhang, Zheng TB88, WA24
Zhang, Zhi-Li WA82
Zhang, Zhongju SC56
Zhang, Zihao WD74
Zhang, Zijun MC07, MD01
Zhao, Bining MA17
Zhao, Chaoyue SB55, TA58
Zhao, Cong TD34
Zhao, Fei M-Poster
Zhao, Feng TA54, WE08
Zhao, Haifeng TB54
Zhao, Hairong SC32
Zhao, Hui TB36, TB57, TD22
Zhao, Jiahong WA25
Zhao, Jingtong WB45
Zhao, Kang SD07, MD56, TD21
Zhao, Kexin WE33
Zhao, Lei WD16, WE28
Zhao, Lima T-Poster
Zhao, Lin TC07
Zhao, Long WE41
Zhao, Michael MB38

Zhao, Min WA59
Zhao, Ming TA12, WD36
Zhao, Peiran SB43
Zhao, Sheng TA73
Zhao, Shengnan SB86
Zhao, Shuaidong SA59
Zhao, Songnian WB80
Zhao, Tuo MA15, WC15
Zhao, Wenhui SC31, TB31, WB84
Zhao, Xia WE33
Zhao, Xiaobo WA57, WA59
Zhao, Xuan TC37
Zhao, Xuying SD37
Zhao, Yao MA71, TD37, TD55, WB73, WC10
Zhao, Yaping MA32
Zhao, Yibo WA68
Zhao, Yingshuai TD75
Zhao, Yonggan TA41
Zhao, Yue TC06
Zhao, Yukun WA57
Zhao, Zhongyuan TC32
Zheleva, Elena SB48, MB65
Zhen, Jianzhe WC11
Zhen, Lu MC70, T-Poster
Zheng, Eric MD21
Zheng, Fanyin MB32, MD30
Zheng, Jinyang SC65, TC56
Zheng, Kay TB11
Zheng, Li SC02, WA33, WA51
Zheng, Qipeng MA09, MC58, TA66, TC05, WB38, WC90
Zheng, Quan SB30, MA28
Zheng, Ronghuo MD36, TA58
Zheng, Song SA15
Zheng, Tongxin WE08
Zheng, Xin(Sarah) MC34
Zheng, Yanchong SA27, SA57, SB35, SC23, TC57, WD37, WD73
Zheng, Zeyu MA26
Zheng, Zhiqiang MA56
Zhi, Jianing WB74
Zhong, Huaiyang SC14, WB23
Zhong, Jianlan WC68
Zhong, Mingxian MD32
Zhong, Xiang MD67, TCP, TD34
Zhong, Ying TB45
Zhong, Yuan MA40, TD39
Zhongdong, Xiao WA08
Zhou, Chen MC62
Zhou, Enlu MA16, MC45, TC45
Zhou, Fang TB77
Zhou, Guangyu MA06
Zhou, Hao SC71
Zhou, Hong MC69
Zhou, Jian WC82
Zhou, Jing WC74
Zhou, Lina TC48
Zhou, Ming WA32
Zhou, Qiang SD68, WD66
Zhou, Sean SA35, TA90
Zhou, Shaorui MA71
Zhou, Shenghai SB08
Zhou, Shiyu SB67, TD07, WA66, WB67
Zhou, Tingting WB55
Zhou, Wei TA60
Zhou, Wei-Xing WA54
Zhou, Wenjun TCP
Zhou, Wenwen TB06
Zhou, Wen-Xin WD13
Zhou, Wenying WC18
Zhou, Xuesong SB11, SC71, SD61, TA89, T-Poster, TC88, WA60, WC81, WD61
Zhou, Xun MD07
Zhou, Xunyu SD45
Zhou, Yanhui WE51
Zhou, Yi MB15
Zhou, Yong-Pin SA37, MB68, WA35
Zhou, Yongying MD11
Zhou, Yuan TB16, TC77, WC77
Zhou, Yuhang WC40
Zhou, Yun SC36, MC30, TC36
Zhou, Zhengyuan MPC, WA82
Zhou, Zhi MA05, MB58, MC58, TA54
Zhou, Zhili TD11
Zhu, Chao TB54
Zhu, Cheng TC73, WC18
Zhu, Guodong WA62
Zhu, Hao WA04
Zhu, Helin MA16, TC43
Zhu, Huaxing TC66
Zhu, Jiajie TD06
Zhu, Junfeng TD79
Zhu, Kaijie TA37
Zhu, Kevin SB56, TB54
Zhu, Lei SD60
Zhu, Lijun SA15
Zhu, Ling MPC
Zhu, Lingjiong SC55, TA41
Zhu, Maoran WE53
Zhu, Mengmeng TA38
Zhu, Peng TD75
Zhu, Sylvia TB32
Zhu, Tiantian SB71
Zhu, Wanshan TD76
Zhu, Weiming SB37, SC55, TA31
Zhu, Xiaodi T-Poster
Zhu, Xiaohang TB52
Zhu, Xiaomin SA54
Zhu, Yi TB39
Zhu, Yunxia SB25
Zhu, Zhicheng SB68
Zhuang, Jun SB44, MA43, T-Poster, TC43, WA88, WB71
Zhuang, Weifen WB34
Zhuhadar, Leyla WB07
Zhuo, Ying MD18, TD30
Zhuo, Yueran MA79
Ziegler, Hans MD32
Ziemba, William WC20
Zilberman, David TD10
Zimmermann, Maelle MC60
Zink, Daniel WE12
Zinouri, Nazanin MC23
Zipkin, Paul MA40
Zitter, Daniel MB25
Ziya, Serhan SD35, MB22
Zobel, Christopher MD51, WE72
Zolan, Alexander TA17
Zorc, Sasa WD36
Zou, Bo MA62, MB59, MC62, MD60, WA61
Zou, Han TB61
Zou, Hui SC15
Zou, James TC40, WD40
Zou, Jikai SC16
Zou, Jingjing WA82
Zou, Li MC62
Zou, Liang TD78
Zou, Lu MD33
Zou, Na TA68
Zoumpoulis, Spyros TA46
Zubair, Muhammad WE74
Zubizarreta, Jose MB12, TB30, TD30
Zugg, Michelle WC38
Zuidwijk, Rob WE74, WE60
Zuluaga, Luis SD12, TD87, WD50
Zur, Richard WC78

Sunday, 8:00am – 9:00am

SA01 Temporal Data Mining and Pattern Discovery
SA02 Healthcare Analytics and Medical Decision Making
SA03 Nicholson Student Paper Prize I
SA04 Electricity Markets and Contract Design
SA05 Power System Resilient Design and Optimization
SA06 Panel: Joint Session DM/Optimization: Discrete Optimization and Machine Learning
SA07 Undergraduate OR Prize – I
SA09 Balancing Water Use for Food and Energy
SA10 Optimizing Distributed Energy Generation II
SA11 Cliques and Clique Relaxations
SA12 Algorithms, Polyhedra and Games
SA13 Global Optimization: Algorithms and Applications
SA14 Operations Research Approaches to Plant Breeding
SA15 Big Data in the E-Commerce Deliveries
SA16 Inverse Optimization: Theory
SA17 Optimal Statistical Learning
SA18 High-Performance Computing for Stochastic Optimization
SA19 Computing
SA20 Storage and Read-Optimized Data Placement Structures for High Performance Analysis
SA21 Healthcare Operations Research in Practice
SA22 Incentives and Resource Allocation in Healthcare Settings
SA23 Evaluating Health Policy Decisions
SA24 Dynamics of Scope and Innovation
SA25 Capacity Allocation and Scheduling Issues
SA26 Procurement Auctions and Bidding
SA27 Behavioral Operations
SA28 MSOM Student Paper Competition Finalists – I
SA29 Dynamic Mechanism Design
SA30 Revenue Management: Algorithms and Applications
SA31 Derivatives in the Operations/Finance Interface Area
SA32 Scheduling I
SA33 Simulation and Optimization I
SA34 Hospital Operations
SA35 Adversiting, Trade-ins, and Distribution Channels
SA36 Data-driven Operations Management Research
SA37 Operations in an Omnichannel World
SA38 Product Development and Competition
SA39 A/B Testing, Experiments, and Learning
SA40 Applications in Efficiency Analysis
SA41 Control and Optimization in Finance
SA42 Quantitative Methods in Finance
SA43 Military Applications of Decision Analysis
SA44 Applications of Decision Analysis to Natural Resource Management
SA45 Financial Network Structure and Systemic Risk
SA46 Pricing and New Product Management
SA47 Topics in Assortment Planning and Consumer Choice
SA48 Social Media Analysis I
SA49 Case Competition I
SA50 Gender and Diversity-based Research
SA51 Applied Humanitarian Operations Management
SA52 Prevailing Issues in Public Sector OR
SA53 Topics in Revenue Generation from Innovation
SA54 Smart Service Systems and Modeling
SA55 Service Science: Operationalize Data Analytics for Better Service
SA56 Analytics in social media and sharing economy
SA57 Topics in Behavioral Operations Management
SA58 Energy I
SA59 Electrification in Transportation
SA60 Topics on Shared Public Transportation Systems
SA61 RAS Student Paper Award
SA62 Aviation Applications Section: Best Student Presentation Competition I
SA63 Facility Logistics
SA64 Spatial Multicriteria Decision Making: Challenges and Current Developments
SA65 Economics of Information Systems
SA66 High-Dimensional Functional Data Analysis
SA67 Journal of Quality Technology Invited Session
SA68 QSR Refereed Research Session
SA69 2016 Edelman Finalists Reprise
SA70 Trans, Freight I
SA71 Trans, Public I
SA72 Supply Chain Mgt I
SA79 JFIG Paper Competition I
SA86 Manufacturing I

Sunday, 10:00am – 10:50am

Plenary Welcome & Plenary- Cognitive Computing: From Breakthroughs in the Lab to Applications on the Field

Sunday, 11:00am – 12:30am

SB01 Machine Learning
SB02 Data Mining in Medical and Sociological Decision Making
SB03 Nicholson Student Paper Prize II
SB04 Energy Storage and Virtual Trading in the Smart Grid
SB05 Real Options in the Energy Sector
SB06 What Industry Wants Analytics Graduates to Know
SB07 Data Mining in Decision Analytics: Predictive Modeling in Theory and Applications
SB08 Health Care, Modeling II
SB09 Renewable Energy Policies
SB10 Optimal Surveillance and Control of Bio-Invasions
SB11 Clusters, Routes and Flows in Network Systems
SB12 Approximation Algorithms in Networks and Scheduling
SB13 Advances in Structured Nonconvex Optimization
SB14 OR In Agriculture
SB15 Building Better Models: Innovations in Predictive Analytics
SB16 Algorithms for Stochastic Programming
SB17 Optimization Challenges in Modeling
SB18 HPC in Optimization 1
SB19 Bilevel Programming: Methodology and Applications
SB20 Methods and Applications of Network Sampling
SB21 Applications in Healthcare
SB22 Panel: Challenges of Implementing OR in the Healthcare Industry
SB23 Joint Session MIF/HAS: Modeling and Optimization for Advanced Stage Liver and Kidney Disease Patients
SB24 Ecology of Innovation: Sources of Knowledge and Complements
SB25 Improving Efficiency of Supply Chains through Scheduling
SB26 Procurement Auctions
SB27 Diagnosis Under Uncertainty
SB28 MSOM Student Paper Competition Finalists – II
SB29 Innovations in the Operations-Marketing Interface
SB30 Social and Environmental Considerations in Retailing
SB31 Empirical Research in Supply Networks
SB32 Scheduling II
SB33 Simulation and Optimization II
SB34 Data-Driven Decisions in Healthcare
SB35 Behavioral Models in Service Operations
SB36 Incentives and Risk in Supply Chains
SB37 Supply Chain Topics
SB38 Innovation: Choices and Constraints
SB39 Mean Field Models and Economic Applications
SB40 Applications of Data Envelopment Analysis
SB41 Spectral Methods in Finance: Option Pricing and Econometrics
SB42 Quantitative Methods in Finance XIII
SB43 Systems Engineering and Decision Analysis
SB44 Decision Analysis, Game Theory, and Homeland Security

SB45 Model Uncertainty, Risk, & Compliance
SB46 Sharing Economy, Mechanism Design and Networks I
SB47 New Topics in Revenue Management and Pricing
SB48 Social Media Analytics for Businesses
SB49 Case Competition II
SB50 Decision Making in Healthcare
SB51 Emergency Response, Recovery, and Resilience
SB52 Proactive Planning Against Weather Events
SB53 Emerging Trends in Business Innovation
SB54 Panel: Meet the Editors of Service Science
SB55 Modeling and Optimization for Renewable Energy Integration
SB56 Analytical Models in E-business
SB57 Behavioral Research on Inventory and Pricing
SB58 Energy II
SB59 TSL Keynote Address
SB60 Advances in Traffic Equilibrium and Network Loading Models
SB61 Advances in Railway Research
SB62 Aviation Applications Section: Best Student Presentation Competition II
SB63 Alternative Fuel Vehicles and Sustainable Transportation
SB64 Applications and Methodological Issues on MCDM
SB65 Learning Analytics of Massive Open Online Courses (MOOCs)
SB66 Panel: QSR Student Introduction and Interaction and Best Student Poster Competition
SB67 Dynamic Data Driven Application Systems
SB68 Advanced Maintenance Modeling
SB69 Panel Discussion: Internet of Things Data Analytics
SB70 Trans, Freight II
SB71 Trans, Public II
SB72 Supply Chain Mgt II
SB79 JFIG Paper Competition II
SB86 Manufacturing II
SB94 Technology Tutorial – Bayesia/Palisade Corp.

Sunday, 1:30pm – 3:00pm

SC01 Supervised and Unsupervised Methods
SC02 Quality and Statistical Decision Making in Health Care Applications
SC03 Doing Good with Good OR I
SC04 Gas-Power Market Integration
SC05 Power transmission planning under uncertainty
SC06 INFORMS 2016 Data Mining Best Student Paper Awards
SC07 Joint Session DM/AI: Data Mining for Decision Making
SC08 Undergraduate OR Prize – II
SC09 Energy and Environmental Policy
SC10 Advances in Energy Systems Modeling
SC11 Dense Clusters in Network Optimization
SC12 Convex Relaxations for Nonconvex Polynomial Optimization
SC13 Advances in Mixed Integer Polynomial Optimization
SC14 Syngenta Crop Challenge in Analytics
SC15 Big Data Modeling
SC16 Algorithms for Large-Scale Stochastic Programs
SC17 Optimizing Chance-Constrained Programming Variants
SC18 HPC in Optimization 2
SC19 Computation and Theory in Network Optimization and Analysis
SC20 Novel Dimension Reduction Techniques for High Dimensional Data Using Information Complexity
SC21 Monitoring and Prevention of Healthcare Associated Infections
SC22 Joint Panel Session: ORHP/HAS/MSOM-Hlth: Challenges and Lessons Learned from Influencing National Policy Change in Organ Transplant
SC23 Risk Management in Global Food Supply Chains
SC24 Dynamics of Competition
SC25 Latest Developments in Scheduling Research
SC26 Auction Design Topics
SC27 Panel: Emerging Themes in Innovative Operations
SC28 Empirical Research in Operations Management
SC29 MSOM Energy and Sustainability
SC30 Empirical Studies in Operations Management
SC31 Managing Finances and Risk in Supply Chains
SC32 Scheduling III
SC33 Simulation and Optimization III
SC34 Joint Session HAS/MSOM-HC: Analytics in Drug Development
SC35 Frontiers of Supply Chain Research
SC36 Information and Risk in Supply Chain Networks
SC37 Revenue Management, Assortments and Choice Models
SC38 Collaborative New Product Development
SC39 Market Microstructure and Optimal Trading
SC40 Computational Issues in Productivity and Efficiency Measurement
SC41 Finance Section Student Paper Competition
SC42 Stochastic Systems in Finance
SC43 Spatial Risk and Decision Analysis
SC44 Modeling of Uncertainty and Preference in Decision Analysis
SC45 Panel: Systemic Risk Issues in Counterparty Risk and Central Clearing
SC46 Dynamic Pricing with Substitution, Learning and Reference Price Effects
SC47 New Topics in Revenue Management
SC48 Social Media in Marketing and Talent Management
SC49 Social, Political, and Economic Applications of Social Media Analysis
SC50 Achieving Professional Success by Managing the Work/Life Balance
SC51 Analytical Research in Humanitarian Service Delivery
SC52 Public Policy for Energy and the Environment
SC53 Advances in Research Exploring the Link between Learning and Innovation
SC54 Mathematical Modeling and Data Analytics in the Service Industry
SC55 Emerging Topics in Service Operations
SC56 Crowdsourcing and sharing economy
SC57 Consumer Behavior and Pricing Optimization
SC58 Energy III
SC59 Spatial Analysis in Transportation & Logistics
SC60 Facility Layout
SC61 Fleet Sizing Models
SC62 Aviation Applications Section: Best Student Presentation Competition III
SC63 Network Design and Maintenance in Transportation
SC64 DAAD Special Session on Multiobjective Optimization for Improved Modeling of Complex Systems
SC65 Machine Learning, Big Data and Economics
SC66 Additive Manufacturing
SC67 Decision Analysis Approaches and Predictive Modeling to Managing Uncertainty in Manufacturing and Service Systems Design & Operations
SC68 Panel Discussion: Funding Opportunities
SC69 Pierskalla I
SC70 Trans, Freight III
SC71 Trans, Public III
SC72 Supply Chain Mgt III
SC79 Health Care, Modeling III
SC86 Manufacturing III
SC94 Technology Tutorial – Wiley/Provalis Research

Sunday, 3:10pm – 4:00pm

Keynote Optimizing the Kiel Canal – Online Routing of Bidirectional Traffic
Keynote Creating the Exascale Ecosystem for Science

Keynote Analytic + IT + Deployment = Real World Impact

Sunday, 4:30pm – 6:00pm

SD01 Interpretable Machine Learning in Social Science
SD02 Data Analytics and Modeling for Medical Prognosis and Decision Making
SD03 Doing Good with Good OR
SD04 Optimizing Urban Infrastructure Resilience under Climate Change
SD05 ENRE Award Session
SD06 INFORMS 2016 Data Mining Best Student Paper Awards II
SD07 Joint Session DM/AI: Predictive Analytics in Data Science
SD10 INFORMS Prize
SD11 Network Optimization
SD12 Convexification Techniques in Integer Programming
SD13 New Algorithms for Global Optimization and MINLP I
SD14 Big Data Analytics and Applications in E-Commerce
SD15 High Dimensional Data Analysis via an Optimization Lens
SD16 Buffered Probability of Exceedance and Applications
SD17 Polyhedral Methods in Integer Programming under Uncertainty
SD18 Marketing VI
SD19 Parallel Computing for Optimization and Data Analysis
SD20 A Unified Framework for Optimization under Uncertainty
SD21 Healthcare, General
SD22 Disaster Relief Supply Chains and Operations
SD23 Applications in Physician Scheduling
SD24 New Directions in Non-Market Strategies
SD25 Managing Uncertainties in Projects
SD26 Auctions and Trading Agents
SD27 Empirical Research in Finance and Operations
SD28 Energy Operations and Policy
SD29 Energy Resource Valuation, Investment and Management
SD30 Establishing Trust in Operations
SD31 Issues in Supply Chains, Risk Management and Finance
SD32 Scheduling IV
SD33 Recent Advances in Simulation
SD34 Joint Session HAS/MSOM-HC: Models and Analytics in Healthcare Operations
SD35 Strategic Queueing
SD36 Economics of Operations Management
SD37 Value Chain Transformations for Sustainability
SD38 Innovation and Entrepreneurship
SD39 Queueing Systems and Approximations
SD41 Financial Engineering and Risk Management
SD42 The OTC Derivatives Market Reform and the Subsequent Interplay between Banks and CCPs
SD43 Values and Decision-Making
SD44 Robust Decision Analysis
SD45 Quantitative Methods in Risk Management
SD46 Revenue Management: From Theory to Practice
SD47 Online Learning and Revenue Management
SD48 Social Media Analytics for Competitive Advantage
SD49 Text Analysis within Social Media
SD50 Dr. William Massey: A Dynamic Legacy
SD51 Decision-making Models for Public Health Systems
SD52 Public Sector OR Problems with Geographic Considerations
SD53 Organizational Innovation
SD54 Simulation of Healthcare Service Systems
SD55 Modeling and Simulation of Education as a Complex System
SD56 Health & IT
SD57 Joint Session BOM/RMP: Consumer Behavior in Pricing and Loyalty
SD58 Energy IV
SD59 Advances in Transportation Modeling
SD60 Emerging Data Analytics in Transportation Modeling
SD61 RAS Problem Solving Competition
SD62 Aviation Applications Section: Awards Finalists
SD63 Dynamic Routing and Logistics
SD64 Evolutionary Bilevel Multi-criterion Optimization Methods and Applications
SD65 Analytical Models
SD66 2016 QSR Best Student Paper Competition
SD67 Foundations of Accuracy for Additive Manufacturing
SD68 Process Monitoring, Diagnosis, and Prognosis in Complex Systems
SD69 Pierskalla II
SD70 Trans, General
SD71 Trans, Rail
SD72 Supply Chain Mgt IV
SD79 Health Care, Modeling IV
SD86 Manufacturing IV
SD91 Joint Session HAS/MSOM-HC: Statistical Decision-making with Applications in Healthcare
SD92 INFORMS Optimization Society Prize Session
SD93 Panel: Trends in Service Systems Research funded by NSF: Overview of Opportunities for the Human-technology Frontier

Monday, 8:00am -9:30am

MA01 Learning from Uncertain Data with High Dimensionality
MA02 New Advancements in Using Data Analytics for Healthcare Applications
MA03 Daniel H. Wagner Prize Competition I
MA04 Low-Carbon Power Sector: Policy and Technology Analysis
MA05 Remuneration of flexibility in electricity markets
MA06 Social Media Analytics
MA07 Business Process Intelligence
MA08 Crowd-based Innovation
MA09 Energy System Design and Optimization
MA10 SpORts: Bracketology
MA11 Network Optimization Models and Applications I
MA12 Integrated Methods and Decomposition Approaches
MA13 Nonconvex Optimization: Theory and Algorithms
MA14 Data Analytics in Revenue Management Applications
MA15 Recent Advances in Optimization for Structured High-Dimension Problems
MA16 Data Driven Optimization
MA17 Optimizing Power System Operations Under Uncertainty
MA18 Theory of Integer Optimization
MA19 Evaluating the Performance of Optimization Solvers
MA20 Healthcare Analytics: Big Data, Little Evidence
MA21 Applications of Health Systems Analytics
MA22 Healthcare Policy, Personalized Treatment, and Coalitions: Operations Research Approaches
MA23 Human Resource Analytics in Anesthesia
MA24 Organizational Structures and Innovation
MA25 Modern Project Management
MA26 Dynamic Matching
MA27 Empirical Research in Operations II
MA28 Online Retailing
MA29 Improving Supply Chain Responsibility Through Regulation and External Actions
MA30 Sustainable Operations I
MA31 Energy and Commodity Merchant Operations
MA32 Scheduling V
MA33 Simulation I
MA34 Networks in Healthcare
MA35 Breakthroughs in Teaching Operations
MA36 Emerging Issues in Supply Chain
MA37 Securing Sustainable Future
MA38 Panel: Meet the Editors – NPD, Innovation, and Technology

MA39 Applied Probability and Machine Learning II
MA40 Supply Chain/ Inventory in Applied Probability I
MA41 FSS Tutorial
MA42 Systemic Risk and Financial Networks
MA43 Decision Analysis, Game Theory, and Disaster Management I
MA44 Environmental Decision Analysis
MA45 Agent-based Modeling and Simulation – Overview
MA46 Pricing, Revenue Management and Operations in Retailing
MA47 Optimizing Pricing for Multiple Substitutable Products
MA48 Social Media Analytics for Business Applications
MA49 Tutorials and Examples of Software and Methods for Social Media Analytics
MA50 Panel: Life after the PhD: Early Career Development
MA51 New Models in Criminology
MA52 Recent Developments in Humanitarian Logistics
MA53 Decision Analytics for Technology Management
MA54 Analytics and Operations Research for the IT Services Industry
MA55 Modeling, Optimization, and Data Analytic in the Service Industry
MA56 Economics of IS in the Age of Big Data
MA57 The George B. Dantzig Dissertation Prize
MA58 Energy V
MA59 Network Design and Operations
MA60 Fleet and Marketplace Optimization for Mobility-on-Demand (MOD) Systems
MA61 Intermodal Transportation
MA62 Determinants of Aviation Strategies and Market Outcomes
MA63 Continuous Space Location Modeling
MA64 MCDA Methods and Applications
MA65 Gamification and User Engagement
MA66 Model Calibration
MA67 Maintenance and Reliability Planning
MA68 Panel: IOT-enabled Data Analytics: Opportunities, Challenges and Applications
MA69 Game Theory and Competitive Applications
MA70 Trans, Maritime I
MA71 Supply Chain, Shipping I
MA72 Supply Chain Mgt V
MA79 Health Care, Modeling V
MA86 Marketing I
MA94 Technology Tutorial-Mathworks/Artelys

Monday, 10:00am -10:50am

Plenary Philip McCord Morse Lecture: Margaret L. Brandeau

Monday, 11:00am -12:30pm

MB01 Data Mining Under Uncertainty
MB02 Data Mining in Healthcare
MB03 Daniel H. Wagner Prize Competition II
MB04 Topics in Power Generation Scheduling
MB05 2016 INFORMS BOM Section Best Working Paper Awards
MB06 Data Mining in Text Analytics
MB07 New Product Development
MB08 Empirical Research in Operations and Service Innovation
MB09 Development of Electricity Systems
MB10 Energy Models: Diversity and Complementarity
MB11 Network Optimization Models and Applications II
MB12 Joint Session APS/Optimization: Advances in Causal Inference Using Optimization
MB13 Uncertain Linear Optimization
MB14 Data Analytics
MB15 Stochastic and First-order Methods for Data Analysis
MB16 Data-driven and Robust Optimization
MB17 Risk Measures on Stochastic Programs
MB18 Recent Advances in Theory and Applications of IPCO
MB19 Models and Methods for Large-Scale Mixed-Integer Optimization
MB20 Research and Teaching Opportunities in Project Management
MB21 Applications of Stochastic Models in Medical Decision-making Problems
MB22 Policy Evaluation from Operations to Public Health
MB23 Healthcare Analytics: Collaborations with Practitioners
MB24 Strategy and Uncertainty
MB25 Project Management Methodologies
MB26 Assignment and Matching Markets
MB27 Empirical Research in Operations
MB28 New Models for Pricing
MB29 Incentive Mechanisms and Sustainability
MB30 Sustainable Supply Chains
MB31 Operations and Finance Interface
MB32 Structural Estimation in Operations
MB33 Simulation II
MB34 Simulation and Stochastic Optimization
MB35 Empirical Research in Healthcare Operations
MB36 Empirical and Theoretical Models in Supply Chains
MB37 Socially and Environmentally Responsible Operations Management
MB38 Behavioral Modeling with Social Data
MB39 Panel: Future of Applied Probability
MB41 Advances in Quantitative Finance
MB42 Crowd-Commerce Applications in Operations and Revenue Management
MB43 Applied Decision Analysis
MB44 Panel: Advice from Award Winning Researchers
MB45 Advances in Simulation Optimization
MB46 Revenue Management and Assortment Optimization
MB47 Multi-product Revenue Management
MB48 Marketing Insights from Social Media
MB49 Predicting Business Outcomes Using Social Media
MB50 MIF Rising Young Scholars Award
MB51 Community-Based Operations Research I
MB52 Resilience Management Concepts for Infrastructure and Service Systems
MB53 Emerging Scholars in Technology Management
MB54 Optimal Services and Coordination Strategies of O2O Channel in Fast Fashion Supply Chain
MB55 Inventory Management I
MB56 Firm Competitive Strategies
MB57 Queues and Customer Behavior
MB58 Energy VI
MB59 Connected and Automated Vehicles
MB60 Latest Advances in Last Mile Distribution
MB61 Practical Steps Towards Shipment & Network Capacity Management
MB62 Data Mining in Air Transportation
MB63 HUB Location
MB64 MCDM for System Design: No Camels Allowed
MB65 Field Experiment Research on Mobile and Social Applications
MB66 Data Visualization
MB67 Advances in Degradation Modeling and Operations Management
MB68 Joint Session QSR/DM: Data Analytics for System Improvement I
MB69 Military Operations Research II
MB70 Trans, Maritime II
MB71 Supply Chain, Shipping II
MB72 Supply Chain Mgt VI
MB79 Health Care, Modeling VI
MB86 Marketing II

MB94 Technology Tutorial- Optimization Direct/IBM Analytics

Monday, 12:30pm – 2:30pm

Poster Session Monday Poster Session & Competitition

Monday, 1:30pm – 3:00pm

MC01 Image and Shape Data Analysis
MC02 Data Mining Innovations in Healthcare
MC03 Health Care, Modeling I
MC04 Optimal Procurement, Tariff, and Cybersecurity in Smart Grid
MC05 Renewable Energy and Emissions in the Power Sector
MC06 Text Analytics for Quality Management
MC07 Data Analytics in Renewable Energy
MC08 Innovation in Product and Service Development
MC09 Nonlinear Optimization Problems for Power Systems
MC10 Food, Energy, Water and Extreme Events
MC11 Network Vulnerability and Criticality
MC12 Mixed Integer Polynomial Optimization
MC13 New Algorithms for Global Optimization and MINLP II
MC14 Emerging Applications of Optimization in Industry
MC15 Disaster & Emergency Management I
MC16 Data-Driven Optimization Methods
MC17 Robust Optimization
MC18 Recent Developments in Integer Programming
MC19 Multilevel Optimization Models and Applications
MC20 Systemic Risk, Policies, and Data Needs
MC21 Applications Supporting Clinical and Public Health Decision-making
MC22 Cost, Safety and Resource Allocation In Health Systems
MC23 Healthcare Delivery Modeling
MC24 Personalizing Healthcare Decision-Making
MC25 Project Related SCM I
MC26 Optimal Auctions
MC27 Organizational Learning and Problem Solving Strategies in Service Organizations
MC28 New Supply Chain Inventory Problems Motivated by Practice
MC29 Issues in Energy Efficiency and Renewable Energy
MC30 New Business Models In Transportation
MC31 Operational Issues in Agriculture
MC32 Scheduling VI
MC33 Simulation I
MC34 Empirical Studies in Healthcare OM
MC35 Empirical Research in Services
MC36 Incentive Design in Marketing and Operations
MC37 Socially Responsible Business Models
MC38 Social Media Analysis V
MC39 Applied Probability and Optimization II
MC40 Target Setting in Efficiency Analysis
MC41 Option Pricing and Estimation of Greeks
MC42 Revenue Management in the Social Environment
MC43 Decision Analysis Arcade I
MC44 Panel: Howard Raiffa: Celebration of His Life and Achievement
MC45 Optimization via Simulation under Input Uncertainty
MC46 Revenue Management in e-commerce
MC47 New Revenue Management Practices in Airline and Hotel Industries
MC48 New Insights from Social Media: Empirical Study, Field Experiment, and Algorithm Development
MC49 Estimating Sentiments Using Social Media
MC51 Pricing and Revenue Management Applications
MC52 Panel: Pro Bono Analytics
MC53 Panel: Emerging Themes in Startup Product, Supply Chain & Technology Management
MC54 Service Innovation in the Cognitive Era
MC55 Inventory Management II
MC56 IT and Services
MC57 Experiments in Supply Chain Management
MC58 Energy VII
MC59 Freight Network Design
MC60 Methodological Advances and Empirical Discoveries in Travel and Activity Choice Modeling
MC61 Rail Safety and Risk
MC62 Market Structure, Competition and Constraints in the Airline Industry
MC63 Robust Planning in Air Transportation Systems
MC64 MCDM in Infrastructure Network Resilience Planning
MC65 Economics of Health Information Technology
MC66 Panel: IEEE T-ASE Invited Session I
MC67 Panel Discussion on Publishing in Quality and Reliability: The Editors' Perspective
MC68 Reliability Evaluation and Optimization from Complex Systems I
MC69 Military Resource Management
MC70 Trans, Maritime III
MC71 Supply Chain, Shipping III
MC72 Supply Chain Mgt VII
MC79 Health Care, Modeling VII
MC86 Marketing III
MC94 Technology Tutorial- GAMS/LINDO

Monday, 3:10pm – 4:00pm

Plenary Omega Rho – 40th Year Anniversary Panel

Monday, 4:30pm – 6:00pm

MD01 Data Mining for State Transition Modeling
MD02 Panel: Funding Issues at NSF
MD03 Daniel H. Wagner Prize Competition III
MD04 Optimization for Enhancing Critical Infrastructure Resilience
MD05 Power System Generation and Transmission Expansion
MD06 Business Analytics and Text Mining
MD07 Urban Data Analytics and Mining
MD08 Tutorial: Data-Driven Research in Revenue Management
MD09 Management of Stochastic Resources, Demand, and Energy Efficiency
MD10 Managing Transitions in Regulated Energy Markets
MD11 Network Vulnerability Analysis and its Applications
MD12 Mixed Integer Programming Formulations and Applications
MD13 Project and Resource Planning
MD14 IAAA and Sygenta Reprise
MD15 Network Modeling and Inference
MD16 Distributionally Robust Optimization
MD17 Robust Optimization and Learning
MD18 Statistical Learning under a Modern Optimization Lens
MD19 Networks and Geography in Optimization
MD20 Recent Developments in Multistage Stochastic Programming
MD21 Healthcare Information Systems
MD22 Policy Modeling and Analysis in Healthcare
MD23 Healthcare Delivery with New Technology Development and Patient Choice
MD24 Decision Models in healthcare/clinical settings.
MD25 Project Related SCM II
MD26 Auctions, Markets, and Mechanism Design
MD27 New Frontiers in Operations Management
MD28 Operations Management for Fashion Goods
MD29 Innovative Models in CLSC: Returns, Remanufacturing, Recycling, and Servicization
MD30 Retail Operations II
MD31 Operations and Financing Interface
MD32 Scheduling
MD33 Simulation II

MD34 Joint Session HAS/MSOM: Healthcare Operations
MD35 Empirical Service Operations
MD36 Control, Learning, and Strategic Behavior in Queueing Models
MD37 Sustainability in Supply Chains
MD38 Reliability
MD39 Markov Lecture
MD40 Theoretical Development in Estimation
MD41 Quantitative Methods for Finance and Energy
MD42 Pricing and Information Provision of Services
MD43 Simulation for Supply Chain
MD44 DAS Awards Session
MD45 Simulation-based Optimization
MD46 Customer Choice Estimation and Assortment Optimization
MD47 Pricing, Promotion Planning, and Revenue Management
MD48 Peeling Back the Onion in Social Media Analysis
MD49 Social Media User Behavior
MD51 Humanitarian & Disaster Relief Logistics
MD52 Routing Models for Public Safety
MD53 TIMES Distinguished Speaker
MD54 Service Optimization, Design and Measure in Emerging Market
MD55 CPMS Isolated Practioner
MD56 IOT: Technology Innovation and Business Impact
MD57 Influencing Behavior in Aircraft Operations
MD58 Energy VIII
MD59 TSL Prize Winners
MD60 Modeling and Analysis of Innovative Mobility Services I
MD61 Advances in Blocking & Trip Planning
MD62 Aviation Applications Section: Keynote Presentation
MD63 UAS Traffic Management and Low-altitude Airspace Operations
MD64 Multicriteria Applications in the Public Section
MD65 Data Analytics and Machine learning
MD66 Computer Experiments and Uncertainty Quantification
MD67 IEEE T-ASE Invited Session II
MD68 Quality Engineering Invited Session
MD69 Routing and Allocation in Military Operations
MD70 Trans, Rail I
MD71 Vehicle Routing I
MD72 Supply Chain Mgt VIII
MD79 Health Care, Modeling VIII
MD94 Technology Tutorial- Gurobi/AMPL

Tuesday, 8:00am – 9:30am

TA01 Machine Learning II
TA02 Predictive Modeling for Wind Power
TA03 Entertainment Analytics
TA04 Advances in Using Market Models for Power Transmission Planning
TA05 Short-term Operation, Maintenance, and Long-term Planning for Power Systems
TA06 Optimization Models in Data Mining
TA07 Retail Analytics
TA08 Collaborative Innovation and Project Supply Chain Management Interfaces
TA09 Panel Discussion: Open Challenges in Internet of Things & Agriculture Analytics
TA10 Renewable Energy Systems and Grid Integration
TA11 Novel Applications of Network Optimization
TA12 Mixed-Integer Programming with Applications
TA13 Computational Linear Optimization
TA14 Data Mining in Genetics and Genomics
TA15 Academic Job Search Panel
TA16 Energy Systems
TA17 Stochastic Programming for Long Term Planning
TA18 Finance, Portfolio I
TA19 Optimization Modeling and Beyond with a Focus on Practice
TA20 Mathematical Finance, Models, Simulation and Today's Pressing Problem
TA21 Beyond Predictive Analytics
TA22 Joint Session MSOM-HC/HAS: Modeling and Optimization for Chronic and End-Stage Renal Disease Patients
TA23 Modelling Care and Treatment of Chronic Diseases
TA24 Practice-Based Research in Healthcare OM
TA25 Project Related SCM III
TA26 Auctions and Econometrics
TA27 New Developments in Sourcing and Selling Strategies
TA28 hold Sequential Sampling and Optimization
TA29 Managing Capacity in Energy Markets Through Demand and Supply-side Interventions
TA30 Studies in Service Operations
TA31 Supply Chain Finance and Risk Management
TA32 Revenue Mgt, Pricing I
TA33 Queueing Models
TA34 Provider Staffing and its Impact on Patient Flow
TA35 Online Services: Learning and Pricing
TA36 Operations and Supply Chains for Innovative Goods
TA37 Sustainability Issues in Supply Chains I
TA38 Reliability II
TA39 Artificial Intelligence in Big Data
TA40 Markov Decision Processes: Applications
TA41 Quantitative Methods in Finance VI
TA42 Choice Models and Assortment Optimization
TA43 Data-Driven Decision Making
TA44 Investment Analysis and Financial Applications
TA45 Efficient Learning in Stochastic Optimization
TA46 Dynamic Games and Applications to Revenue Management
TA47 Personalized E-commerce
TA48 Social Media Analysis II
TA49 Classroom Activities
TA50 SpORts: Sports Analytics Education
TA51 Lifting up Populations
TA52 Transportation Issues in Smart Cities
TA53 Organizational learning, innovation and knowledge creation
TA54 Service Science in Electricity Supply
TA55 Inventory Management III
TA56 Economics of Information technology and social media
TA57 Insights from Relaxing Traditional Modeling Assumptions about Human Behavior in OM Settings
TA58 Energy VX
TA59 Modeling Interdependent Infrastructure Networks
TA60 Modeling and Analysis of Innovative Mobility Services II
TA62 Distributed Control of Multi-Agent Networks
TA63 Alternative Fuel Refueling Location Problems
TA64 Multi-Criteria Decision Making in Agriculture
TA65 Analytical and Empirical Analyses of Digital Markets
TA66 Data Analytics and Reliability in Energy/Smart Grids
TA67 IEEE T-ASE Invited Session III
TA68 Graph Analytics for Complex Systems
TA69 Economics IV
TA70 Trans, Rail II
TA71 Vehicle Routing I
TA72 Supply Chain Mgt IX
TA73 Operations Management I
TA74 Optimization Methodology I
TA75 Behavioral Operations I
TA76 Decision Analysis
TA77 Opt, Integer Programing I
TA78 Opt, Network I
TA79 Health Care, Modeling VX
TA86 Marketing V
TA87 Panel: Guide to the Analytics Body of Knowledge (ABOK)
TA88 Service Science Best Student Paper Competition I
TA89 Advances in Traffic Flow Modeling
TA90 Opt, Stochastic II
TA94 Technology Tutorial- Frontline/ SAS-GAP/EDU

Tuesday, 10:00am – 10:50am

Plenary Big Data and Big Decisions

Tuesday, 11:00am – 12:30pm

TB01 Clustering Methods in Data Mining
TB02 Methods for Analysis of Next-Generation Sequencing Data
TB03 Marketing Strategies of Entertainment Products
TB04 Developing Country Electricity Systems
TB05 Optimal Power Flow
TB06 Solving Hard Optimization Problems in Machine Learning
TB07 Networks and Data Analytics in Finance
TB08 Business Model Innovation
TB09 Information and Market Structure
TB10 Natural Gas Markets
TB11 Optimization in Network Reliability, Security, and Interdiction
TB12 New Models and Approximation Results in Stochastic and Combinatorial Optimization
TB13 Recent Advances in Stochastic Integer Programs
TB14 Revenue Mgt, Pricing
TB15 Industry Job Search Panel
TB16 Information in Optimization
TB17 Stochastic Sequential Assignment and Planning
TB18 Finance, Portfolio II
TB19 Computational Methods for Healthcare Applications
TB20 Robust Multiobjective Optimization for Decision Making under Uncertainty and Conflict
TB21 Coordinated Care Delivery
TB22 Data-Driven Healthcare Operations
TB23 Models in Medical Decision Making
TB24 Analytics in Evidence-Based Practice (EBP)
TB25 Scheduling and Contracts
TB26 Combinatorial Auction Pricing
TB27 Social Networks and Learning
TB29 Incentives Issues in Sustainable Operations
TB30 Predictive Modeling in Healthcare
TB31 Topics in Operations and Finance Interface
TB32 Revenue Mgt, Pricing III
TB33 Queueing Models I
TB34 Scheduling and Workload Assignment in Healthcare
TB35 Managing Service Systems with Strategic Servers
TB36 Pricing and Supply Chain Management in Healthcare Industry
TB37 Sustainability Issues in Supply Chains II
TB38 Reliability I
TB39 Applied Probability and Simulation I
TB40 Markov Decision Processes: Theory
TB41 Quantitative Methods in Finance XII
TB42 Learning, Estimation, and Experimentation in RM and Pricing
TB43 Panel: New Frontiers in Decision Analysis Practice and Theory
TB44 Graphical Methods
TB45 Parallel Simulation Optimization
TB46 Choice Modeling and Assortment Optimization
TB47 Pricing, Promotions and Bundling for Revenue Management
TB48 Optimization and Statistical Learning
TB49 Educational Research in OR/MS
TB50 Panel: Topics for PhD Students
TB51 Matchings and Assignments with Societal Impact
TB52 Urban Transportation and Logistics in Public Sector OR I
TB53 Innovations and Value Chain Management
TB54 Service Science in Emerging Economy
TB55 Inventory Management IV
TB56 Innovation through IT Management
TB57 Managing Decentralized Processes
TB58 Energy X
TB59 Innovations in Transporation Network Pricing
TB60 Moving People and Goods More Efficiently in Traffic Networks: Models and Algorithms
TB61 Online Delivery Routing
TB62 Data Mining and Optimization for Improved Airport Operations
TB63 Deterministic Network Design
TB64 Multi-objective Optimization: Algorithms and Applications
TB65 Digital Business Models and Strategies in the Era of Analytics
TB66 Data Analytics for Quality and Reliability Assurance
TB67 IIE Transactions Invited Session
TB68 Tutorial: Wind Energy Applications
TB69 Decision Support Systems I
TB70 Trans, Planning I
TB71 Vehicle Routing III
TB72 Supply Chain Mgt X
TB73 Operations Management II
TB74 Optimization Methodology II
TB75 Behavioral Operations II
TB76 Resource Allocation
TB77 Opt, Integer Programing II
TB78 Opt, Network II
TB79 Opt, Stochastic II
TB86 Monte Carlo Methods for Multi-stage Decision Making under Uncertainty
TB87 Community-Based Operations Research II
TB88 Service Science Best Student Paper Competition II
TB89 Evolution of Network-wide Traffic Dynamics
TB90 Health Care, Modeling X
TB94 Technology Tutorial- SAS/SAS-JMP

Tuesday, 12:30pm – 2:30pm

Poster Session Tuesday Poster Competitition

Tuesday, 1:30pm – 3:00pm

TC01 Ensemble Methods in Data Mining
TC02 Data Mining in Medical and Brain Informatics I
TC03 Panel: Publication Tips
TC04 Power System Operations Under Increasing Uncertainty
TC05 Reliable Power System Design and Operations
TC06 Data-Intensive Computational Methods for Large-scale Infrastructure Systems
TC07 Information and Influence Diffusion in Networks
TC08 Ethics and Sustainable Business Models
TC09 Environmental Logistics and Supply Chain Operations
TC10 Optimizing Distributed Energy Generation I
TC11 Paths, Cycles, and Transversals
TC12 New Results on Nonconvex Optimization
TC13 Recent Advances in Computational Optimization
TC14 Sustainable and Responsible Supply Chain Management I
TC15 Joint Session AI/SMA: Social Media Analytics and Big Network Data
TC16 Inverse Optimization: Applications
TC17 Stochastic Optimization for Large-Scale Learning
TC18 Finance, Portfolio
TC19 Population Health: Infectious and Chronic Diseases
TC20 Multiagent Systems Modeling
TC21 Payment Models, Pricing, and Incentives in Healthcare
TC22 Dealing with Uncertainty in Hospital Operations
TC23 New Models in Health Care
TC24 Public Health and Health System Modeling
TC25 Scheduling in Practice
TC26 Combinatorial Auctions
TC27 Empirical Studies in Supply Chain Management
TC28 Operations-Marketing Interface

TC29 Issues in Environmental Operations: Managing Risk, Customer Returns, and Regulations
TC30 Supply Chain Channel Management
TC31 Operations/Corporate Finance Interface
TC32 Revenue Mgt, Pricing II
TC33 Queueing Models II
TC34 Public Policy and Healthcare Operations
TC35 Public Sector Service Operations
TC36 Innovative Pricing
TC37 Sustainable Operations II
TC38 Service Science II
TC39 Dynamic Learning Applications
TC40 Applied Probability and Machine Learning I
TC41 Quantitative Risk Management
TC42 Revenue Management with Advertising Applications
TC43 Decision Making in Public Policy
TC44 Decisions, Sensitivity and Applications
TC45 Multi-Objective Optimization Via Simulation
TC46 Empirical and Data-Driven Studies in Revenue Management and Pricing
TC47 Choice-based Demand and Strategic Consumers
TC48 Social Media Analysis IV
TC49 Experiential Field Learning
TC50 SpORts: Sports Analytics I
TC51 Modeling Complex Systems in Education
TC52 Urban Transportation and Logistics in Public Sector OR II
TC53 Management of Product and Service Innovation
TC54 Service Science: Best Cluster Paper Presentation
TC55 Inventory Management V
TC56 Managing Sales in On-demand Economy
TC57 New Topics in Behavioral Operations
TC58 Energy XII
TC59 Robust and Reliable Optimization in Transportation and Logistics
TC60 Network Optimization for Efficiency, Sustainability and Resilience
TC61 Stochastic Network Design
TC62 Robust and Low Cost Airline Operations under Uncertainty and Disruptions
TC63 Location Analysis I
TC64 Multiple Criteria Decision Making Applications 1
TC65 Topics on Internet Economics
TC66 Networked System Reliability and Resilience
TC67 Industrial Big Data System
TC68 Reliability Evaluation and Optimization from Complex Systems II
TC69 Airports, Runways, and Descents
TC70 Trans, Planning II
TC71 Vehicle Routing IV
TC72 Supply Chain Mgt XI
TC73 Operations Management III
TC74 Optimization Methodology III
TC75 Behavioral Operations III
TC76 Decision Analysis I
TC77 Opt, Integer Programing III
TC78 Opt, Network III
TC79 Opt, Stochastic III
TC86 Marketing VII
TC87 Minority Issues Forum Paper Competition
TC88 Service Science Best Student Paper Competition III
TC89 Applications of Optimization and Control Theory in Traffic Management
TC90 Logistics, Humanitarian
TC94 Technology Tutorial- SIMIO/Neusrel

Tuesday, 3:10pm – 4:00pm

Keynote Optimizing the Future ? Supply Chain at Amazon
Keynote Wagner Prize Winner Reprise
Keynote Edelman Reprise-UPS

Tuesday, 4:30pm – 6:00pm

TD01 New Methods in Data Mining
TD02 Data Mining in Medical and Brain Informatics II
TD03 Recent Developments in Opaque and Probabilistic Selling
TD04 Joint Session QSR/ENRE: Data-driven Modeling and Analytics in Wind Power Systems
TD05 Forest Management
TD06 Optimization for Large-Scale Learning
TD07 Emerging Topics on Internet of Things (IoT) and Data Analytics
TD08 Outsourcing Innovation
TD09 Big Data II
TD10 Optimization in Renewable Energy
TD11 Quality-Guaranteed Network Design: Interdiction, Routing, and Resource Allocation
TD12 New Results on Polyhedral Relaxations
TD13 Software and Methodologies for (Nonlinear) Integer Programming
TD14 Predictive Analytics: Big Data with Purpose
TD15 Joint Session AI/Analytics: Machine Learning for Public Policy
TD16 Joint Session DM/Optimization Under Uncertainty: Optimization in Data Mining and Machine Learning
TD17 Statistical Learning with Convex Optimization
TD18 Resource Allocation Problems in Nonprofit Settings
TD19 Stable Sets, Zero-forcing Sets, and Target Sets in Graphs
TD20 Optimality Conditions for Inventory Control
TD21 Data Analytics for Healthcare
TD22 Decision Making in Healthcare Supply Chain
TD23 Operations Management Approaches Applied in Healthcare Settings: Achieving Patient Health and Operational Effectiveness.
TD24 Modeling Systems for Public Health
TD25 Scheduling with Applications
TD26 Spectrum Auction
TD27 Stochastic Modeling In Healthcare Operations
TD28 Topics in Sustainability
TD29 Issues in Sustainable Operations
TD30 Innovative Data-driven Analyses in Healthcare Research
TD31 Information Economics in Operations
TD32 Revenue Mgt, Pricing IV
TD33 Queueing Models III
TD34 Joint Session HAS/MSOM-HC: Care Transition Policy and Management
TD35 On Demand Services
TD36 MSOM/Supply and Procurement
TD37 Investment in Renewable Energy and Energy Efficiency
TD38 Service Science I
TD39 Applied Probability and Optimization III
TD40 Applications in Applied Probability
TD41 Quantitative Methods in Finance
TD42 RM in Online Markets
TD43 Portfolio Decision Analysis
TD44 Applications of Multiattribute Preferences
TD45 Simulation Optimization and Ranking and Selection
TD46 Empirical Research on Pricing and Revenue Management
TD47 Cloud Computing in RM
TD48 Social Media Analytics Award Session
TD49 Panel: First Course in Analytics or Only Course in Analytics – What Difference Does It Make?

TD50 SpORts: Sports Analytics II
TD51 Models of Influence and Optimal Response
TD52 Urban Transportation and Logistics in Public Sector OR III
TD53 Managing Product Development and Collaboration
TD54 Service Science: Health Care Services
TD55 Inventory Management VI
TD56 Online Crowdfunding
TD57 Emerging Behavioral Work by Doctoral Students
TD58 Service Science
TD59 Green Vehicle Routing
TD60 Understanding Shared Mobility and Autonomous Vehicles: Data, Models and Optimization
TD61 Routing and Scheduling
TD62 Data and Decisions for Airline and Air Traffic Management
TD63 Location Analysis II
TD64 Multiple Criteria Decision Making Applications 2
TD65 Social Media and Health 2.0
TD66 Technometrics Invited Session: Recent Statistical Methods for Analyzing Big Data
TD67 QTQM Invited Session
TD68 Reliability Modeling and Optimization in Early Product Design Stages
TD70 Trans, Planning III
TD71 Vehicle Routing V
TD72 Supply Chain Mgt XII
TD73 Operations Management IV
TD74 Optimization Methodology IV
TD75 Behavioral Operations IV
TD76 Decision Analysis II
TD77 Opt, Integer Programing IV
TD78 Opt, Network IV
TD79 Opt, Stochastic IV
TD86 Marketing VII
TD87 Economics I
TD88 Queues & Server Behavior
TD89 Modeling Information for Intelligent Transportation Systems
TD90 Health Care, Modeling XI
TD94 Technology Tutorial- FICO

Wednesday, 8:00am – 9:30am

WA01 Forecasting
WA02 Data Mining in Healthcare 1
WA03 Big Data
WA04 Optimization in Converter-based Power Systems
WA05 Forest Management II
WA06 Text Mining I
WA07 Data Mining in Marketing
WA08 Supply Chain Mgt, Green
WA09 Sustainable and Responsible Supply Chain Management II
WA10 Open Pit and Supply Chain Mine Planning
WA11 Risk Averse Optimization in Networks
WA12 Optimization in Cyber Defense
WA13 Recent Developments in Optimization Software
WA14 Inventory Management
WA16 Large-scale Stochastic Mixed-integer Programs
WA17 Convex and Conic Relaxations in Machine Learning
WA18 DMA Data-Driven Models
WA19 Uncertainty in Engineered Networks
WA20 Mining Qualitative Attributes to Assess Corporate Performance
WA21 Chronic Disease Management
WA22 Healthcare Analytics
WA23 Operations Research for Public Health: Data-Driven and Dynamic Decision-making Approaches
WA24 Scheduling and Capacity Management in Healthcare
WA25 Logistics I
WA26 Display Advertising Markets
WA27 Humanitarian Operations Management
WA29 Operations with Social Impact
WA30 Joint Session HAS/MSOM-HC: Patient Flow Analytics
WA31 Service Management: Economics and Operations
WA32 Risk Analysis I
WA33 Production and Scheduling I
WA34 Operational and Economic Models in Healthcare
WA35 Topics in Service Operations
WA36 Cooperation in Supply Chain Management
WA37 Sustainable Operations and Environmental Decisions
WA38 Opt, Robust
WA39 Joint Learning and Optimization in Supply Chain Systems
WA40 Probabilistic Combinatorial Optimization
WA41 Machine Learning for Finance
WA42 RM in Practice I
WA43 Spreading Decision Competencies
WA44 Environmental and Water Resources Decision Analysis
WA45 Learning for Simulation and Simulation Optimization
WA46 Revenue Management with Strategic Customers
WA47 New Models for Pricing and Assortment Optimization
WA48 Interdisciplinary Business Analytics
WA49 Strategic Behavior, Competition, and Coordination under Uncertainty
WA50 SpORts: Sports Analytics III
WA51 Evaluating Health Systems of Public Interest
WA52 Network Repair and Resiliency for Service Restoration
WA53 New Product Development and Process Development in Healthcare
WA54 Agent-based Modeling in Management Sciences and Economics
WA55 Inventory Management VII
WA56 Open Source & Online Communities
WA57 Strategic Customer Behavior in Retail and Manufacturing
WA58 Finance I
WA59 Sharing Logistics
WA60 Understanding and Optimizing Route and Mode Choices in a Dynamic/Multimodal Environment
WA61 Shared-use Rail Corridor Operation and Planning
WA62 Air Traffic Management and Airline Operations
WA63 Location Models
WA64 Pareto Set Reduction Theories and Methods
WA65 Digital Transformation of Labor, Media, Telecom, and Financial Markets
WA66 Data Analytics in Emerging Applications
WA67 Data Analytics for System Improvement II
WA68 Statistical Models for Computer Experiments
WA69 Joint Session Telecom/MIF: Modeling and Optimization for Social Network Analysis
WA70 Trans, Ops I
WA71 Game Theory I
WA72 Supply Chain Mgt XIII
WA73 Operations Management V
WA74 Ops Mgt/Marketing I
WA75 Health Care, Strategies III
WA76 Applied Probability I
WA77 Opt, Integer Programing V
WA78 Opt, Metaheuristics I
WA79 Opt, Stochastic V
WA80 Health Care, Public I
WA81 Health Care, Strategies I
WA82 Networks and Graphs I
WA83 Supply Chain Optimization I
WA84 Supply Chain, Risk I
WA85 Sustainability I
WA86 Telecommunications Modeling and Analysis
WA87 Production and Scheduling
WA88 Military Applications I
WA89 Innovations in Connected and Autonomous Vehicles
WA90 Health Care, Modeling XII

Wednesday, 10:00am – 10:50am

Keynote The Goals of Analysis are Understanding, Decisions, and Influencing Policy
Keynote Can Prediction be Better than Cure? On Analytics in Health-Care
Keynote SportSource Analytics

Wednesday, 11:00am – 12:30pm

WB01 Pattern Recognition Applications in Data Mining
WB02 Data Mining in Healthcare 2
WB03 Advances in Emergency Department Operations Management/Research
WB04 Optimization Methods in Smart Grid
WB05 Forest Management: Transportation and/or Collaborative Logistics
WB07 Simulation and Data Mining
WB08 Supply Chain Mgt, Green
WB09 Empirical Research on Sustainable Operations
WB10 Underground Mine Planning
WB11 Transportation Network Analysis
WB12 Polyhedral Methods in Combinatorial Optimization
WB13 Advances in Integer Programming Software
WB15 Detection of Structure and Anomalous Patterns in Data
WB16 Optimal Learning and Optimization via Simulation
WB17 Distributed Consensus Optimization
WB18 DMA General
WB19 Future of Disease Modeling in Clinical and Public Health
WB20 Assets and Structured Hedges in Energy Markets Severe Incompleteness and Methods for Dealing with It
WB21 Emerging Methods for Healthcare Analytics and Visualization
WB22 Empirical Analysis of Resource Utilization
WB23 Optimal Treatment & Screening of Chronic Care Patients
WB24 Optimization in Radiation Therapy
WB25 Logistics II
WB26 Information Systems I
WB27 Information and Consumer Behavior in Supply Chain Management
WB28 Product Recalls
WB29 Managing Responsibility in Supply Chains
WB30 Management of Critical Care
WB31 Service Operations in a Modern Economy
WB32 Risk Analysis II
WB33 Production and Scheduling II
WB34 Operations Analysis in Healthcare
WB36 Supply Chain Analytics
WB37 Supply Chain Structure and Sustainability
WB38 Opt, Robust
WB39 Joint Session APS/MSOM: Service Systems in Applied Probability I
WB40 Queueing in Applied Probability I
WB41 Stochastic Control and Quantitative Finance
WB42 RM in Practice II
WB43 Decision Making with Incentives
WB44 Behavioral Decision Analysis
WB45 Simulation for Performance of Non-Stationary Queues
WB46 Networks and Games in Operations
WB47 Applications of RM and Pricing
WB48 Business Applications in Social Media Analytics
WB49 Panel: Publishing in INFORMS Transactions on Education
WB50 SpORts: Sports Analytics IV
WB51 Education I
WB52 New advances in Operating Room (OR) Scheduling
WB53 Opt, Stochastic VI
WB54 Service Science: Uncertainty in Business Processes
WB55 Inventory Management VIII
WB56 Predictive Analytics in eBusiness
WB57 Behavioral Aspects of Managing Innovation
WB58 Energy XIII
WB59 Drone-Based Logistics
WB60 Routing Optimization Problems
WB61 Railway Analytics
WB62 Aviation Economics Decision-making
WB63 Location Models in Humanitarian Logistics
WB64 Representations and Approximations in Multiobjective Optimization
WB65 Digital Innovation & Analytics
WB66 Graph Analytics for Complex Systems – II
WB67 Joint Session QSR/DM: Process Monitoring for Diverse Types of Data
WB68 Spatiotemporal Data based Quality Control Methods in Manufacturing
WB69 Network Design and Optimization
WB70 Trans, Ops II
WB71 Game Theory II
WB72 Supply Chain Mgt XIV
WB73 Operations Management VI
WB74 Ops Mgt/Marketing II
WB75 Economics II
WB76 Applied Probability II
WB77 Opt, Integer Programing VI
WB78 Opt, Metaheuristics II
WB79 Opt, Convex
WB80 Health Care, Public II
WB81 Health Care, Strategies II
WB82 Networks and Graphs II
WB83 Supply Chain Optimization II
WB84 Supply Chain, Risk II
WB85 Sustainability II
WB88 Military Applications II
WB89 Maritime Transportation
WB90 Health Care, Modeling XIII

Wednesday, 12:45pm – 12:15pm

WC01 Data Mining in Aviation
WC02 Data Mining Applications in Health Care
WC03 Big Data III
WC04 Power System Operation Models for Ramping Scarcity Mitigation
WC05 Spatial Optimization
WC06 Big Data 2
WC07 Process Modeling
WC08 Technology Mgt
WC10 Designing Energy and Water Supply Chains for Prosperity
WC11 Decision Making Under Multistage Uncertainty
WC12 Recent Advances in Decision Diagrams for Optimization
WC13 Computational Approaches to Large-scale/Exact Optimization
WC14 Transportation and Disaster Analytics
WC15 Exploiting Sparse and Low Rank Structures for Inference
WC16 Optimization and Learning in Supply Chain Systems
WC17 Nonlinear Optimization Algorithms I
WC18 DMA Healthcare
WC19 Open-Source Tools for Operations Research
WC20 Understanding the US Index Futures Stock Market using Research
WC21 Healthcare Operations and Capacity Planning
WC22 Appointment Scheduling Models and Analytics
WC23 Optimization in Radiation Therapy Treatment Planning
WC24 Scheduling Providers and Patients
WC25 Logistics III
WC26 Information Systems II

WC27 Innovations in Retail Operations
WC29 Mechanisms to Enhance the Value of Used and Returned Products
WC30 Data-Driven Models in Healthcare
WC31 Consumer Behavior in Services
WC32 Risk Analysis III
WC33 Production and Scheduling III
WC34 Joint Session HAS/MSOM-HC: Advances in Healthcare Operations
WC36 Economic Models in Supply Chains
WC37 Topics in Sustainable Operations
WC38 General Session I
WC39 Joint Session APS/MSOM: Service Systems in Applied Probability II
WC40 Queueing Systems
WC41 Real Options
WC42 Behavioral Considerations in Pricing and Revenue Management
WC43 Information Elicitation
WC44 Strategic Management Decision Making
WC45 Network Economics I
WC46 Demand Learning with Strategic Customers
WC47 Unique Applications in Pricing and Revenue Management
WC48 Intelligent Applications in Social Media Analytics
WC49 Teaching Analytics
WC51 Education II
WC53 DEA
WC55 Inventory Management VX
WC57 Disaster and Emergency Management I
WC58 Finance II
WC59 Location of Energy-Efficient Facilities
WC60 Prescriptive Analytics for Transportation and Inventory
WC61 Yard and Terminal Operations
WC63 New Objectives and Solution Concepts in Location Analysis
WC65 Health IT
WC66 Novel Approaches in Reliability Modeling and Analysis
WC67 Decision Models in Risk, Reliability and Maintenance
WC68 Design and Modeling for Quality Improvements
WC69 Telecommunications Modeling
WC70 Trans, Ops III
WC71 Game Theory III
WC72 Supply Chain Mgt XV
WC73 Operations Management VII
WC74 Ops Mgt/Marketing III
WC75 Economics III
WC76 Applied Probability III
WC77 Opt, Large Scale I
WC78 Health Care, Modeling
WC79 Opt, Combinatorial I
WC80 Health Care, Public III
WC81 Opt, Integer Programming I
WC82 Networks and Graphs III
WC83 Supply Chain Optimization III
WC84 Supply Chain, Risk III
WC85 Sustainability III
WC88 Military Applications III
WC89 Large-Scale Optimization in Transportation
WC90 Health Care, Modeling XV

Wednesday, 2:45pm – 4:15pm

WD01 Data Mining Application in Business
WD02 Decision Analysis in Health Care Data Mining
WD03 Big Data IV
WD04 Robust and Stochastic Optimization for Energy Systems
WD05 Wildland Fire Management I – Suppression
WD06 Optimization in Data Mining I
WD07 Predictive Analysis and Applications in Data Mining
WD08 Dynamic Prog/Control
WD09 Spatial optimization and conservation reserve design
WD11 Various Aspects of Second Order Cone Optimization
WD12 Recent Advances in Discrete Optimization
WD13 Computational Optimization and Software
WD14 Facility Location I
WD15 Intelligent Information Systems
WD16 Optimization and Learning in Urban Delivery
WD17 Nonlinear Optimization Algorithms II
WD18 Business Apps
WD19 Advances in Mixed-Integer Programming Theory and Algorithms
WD21 Predictive Modeling for Healthcare Applications
WD22 Modeling Organ Allocation System
WD23 Socially-responsible Healthcare Operations
WD24 Topics in Resident and Medical Student Scheduling
WD25 Logistics IV
WD26 Information Systems III
WD27 Empirical Healthcare Operations
WD28 Product Strategies and Channel Structure in Supply Chain Management
WD31 Services in the Sharing Economy
WD32 Risk Analysis
WD35 Retail Analytics & Optimization
WD36 Payment Models in Healthcare
WD37 Topics in Sustainable Operations and the Role of Information
WD38 General Session II
WD39 Learning and Model Uncertainty in Stochastic Systems
WD40 Applied Probability and Machine Learning III
WD41 Risk in Financial Markets
WD42 Sharing Economy, Mechanism Design and Networks II
WD44 Advances In Risk Modeling Theory: Nonlinear Systems
WD45 Network Economics II
WD46 Revenue Management and Marketing
WD47 Various Pricing Topics for Revenue Management
WD48 Social Media and Marketing Analytics
WD49 Panel: Teaching Analytics Using Teradata University Network Resources
WD50 Opt, Nonlinear Programming I
WD51 Education III
WD52 Planning for Humanitarian Operations
WD53 Business Applications in Social Media Analytics
WD54 Smart Services: Design, Development, and Measurement
WD55 E Business/Commerce I
WD56 Decision Support Systems II
WD57 Disaster and Emergency Management II
WD58 Finance III
WD59 Facility Logistics – Potpouri
WD60 Time-Sensitive Delivery Planning and Routing
WD61 Scheduling in Passenger-Oriented Railway Networks
WD62 Optimization in Crew Planning and Crew Leave Planning
WD63 Probabilistic Location Models
WD64 Theory and Application of the Analytic Network Process
WD66 Data Analytics For System Improvement III
WD67 Dynamic Maintenance/Reliability Planning
WD68 Complex Process Modeling, Monitoring and Optimization
WD70 Trans, Ops IV
WD71 Game Theory IV
WD72 Supply Chain, Decision I
WD73 Operations Management VIII

WD74 Ops Mgt/Marketing IV
WD76 Supply Chain Optimization
WD77 Opt, Large Scale II
WD78 Opt, Metaheuristics
WD79 Opt, Combinatorial II
WD80 Retail Mgt I
WD82 Multicriteria Decision I
WD83 Supply Chain Mgt, General
WD84 Supply Chain, Risk IV
WD85 Sustainability IV
WD88 Military Applications IV
WD90 Health Care, Strategies

Wednesday, 4:30pm – 6:00pm

WE01 Data Mining in Manufacturing
WE02 Data Mining Applications
WE03 Big Data I
WE04 Capacity-Expansion Planning with Increasing Renewable Levels
WE05 Wildland Fire Management II
WE06 Optimization in Data Mining 2
WE07 Data Mining in Decision Analytics
WE08 Improving Electricity Grid Flexibility Under Uncertainty
WE09 Logistics of Biomass Feedstock for Liquid Fuel Production
WE11 Sequential Stochastic Optimization
WE12 Recent Advances in Optimization and Related Topics
WE13 Disciplined Convex Programming for Nonconvex Problems
WE14 Facility Location II
WE15 Text Mining II
WE17 Nonlinear Optimization Algorithms III
WE18 DMA Machine Learning
WE19 Opt, Heuristic Programming
WE20 Health Care, Other I
WE21 Joint Session MSOM-HC/HAS: Healthcare Operations
WE22 Joint Session MSOM-HC/HAS: Modeling and Optimization for Organ Allocation and Donation Networks
WE23 Surveillance of Diseases with Big Data
WE24 Operations Research in Healthcare Management in Chile
WE25 Logistics V
WE26 Information Systems IV
WE27 DMA Business Analytics
WE28 Retail Operations I
WE29 Empirical Research in Sustainable Operations
WE30 Systemic Issues in Healthcare and Humanitarian Logsitics
WE31 The On-Demand Economy: Matching, Capacity-Planning, and Incentives
WE32 Sports and Entertainment
WE33 Procurement & Purchasing Management
WE35 On-demand Service Platforms
WE36 Sustainable Operations for Farmers
WE37 Health Care, Other II
WE38 General Session III
WE39 Applied Probability and Economics II
WE40 Queues with Correlations
WE41 Topics in Portfolio Optimization
WE42 Strategic Behavior and Dynamic Choice in Revenue Management
WE43 Decision Analysis Arcade II
WE44 Perceptions, Behavior, and Decisions
WE45 Simulation and Optimization
WE46 Revenue Management and Pricing with Consumer Choice Models
WE48 Social Media Collective
WE49 Teaching OR at Service Academies
WE50 Opt, Nonlinear Programming II
WE53 DMA Text Mining
WE54 Value Co-creation
WE55 E Business/Commerce II
WE56 Decision Support Systems III
WE58 Finance IV
WE59 Supply Chain Networks Design under Uncertainty
WE60 Collaborative Logistics
WE61 Facility Location
WE62 Passengers and Parts: Analytics and Machine Learning in Aviation
WE63 Urban Operations Research
WE64 Vector Optimization: Algorithms and Applications
WE65 Advanced Monitoring Techniques for Complex Data
WE66 Service Robotization: Building a Collaborative Research Agenda for Interactive Service Robots
WE67 High Dimensional Statistical Process Monitoring and Diagnosis
WE69 Dynamic Programming /Control
WE71 Game Theory V
WE72 Supply Chain, Decision II
WE73 Operations Management IX
WE74 Ops/Economics Inter
WE75 Ops/Finance & Economics
WE76 Decision Analysis
WE77 Opt, Large Scale III
WE78 Opt, Linear Programing
WE80 Retail Mgt II
WE82 Multicriteria Decision II
WE83 Supply Chain, General
WE84 Logistics
WE85 Sustainability V
WE88 Strategy/Strategic
WE90 Health Care, Modeling XVI