PAUL GRAY

AREAS OF SPECIALIZATION

Information Systems; Business Intelligence; Knowledge Based Systems; Data Warehousing; Decision Support Systems; Management Science; Computer Applications

EDUCATION

1967 Stanford University, Ph.D. in Operations Research
1962 Purdue University, MS in Electrical Engineering
1954 University of Michigan, MA in Mathematics
1950 New York University, BA with Honors in Mathematics

EMPLOYMENT

2001-	Claremont Graduate University, Professor Emeritus
2001-	Curator, Paul Gray PC Museum, Claremont Graduate University
1998-	Visiting Professor, University of California at Irvine
1983-2001	Claremont Graduate University, Professor (Chair (1983-1994, Fall 1997), Information Science
1979-83	Southern Methodist University, Professor and Chair, Department of Management Science and Computers, Edwin L. Cox School of Business
1972-79	University of Southern California, Professor (Chair, 1975-6), Department of Quantitative Methods, Graduate School of Business Administration. (Visiting Professor Summer 2001)
1971-72	Georgia Institute of Technology, Professor, School of Industrial and Systems Engineering
1968-71	Stanford University, Consulting Associate Professor, Department of Industrial Engineering
1962-71	Stanford Research Institute, Senior Research Engineer; Program Director, Institute-wide Transportation Program
1960-62	Purdue University, Instructor, Electrical Engineering
1958-60	Solar Aircraft, San Diego, California, Supervisor, Reports and Proposals
1955-58	Convair-Fort Worth, Nuclear Engineer
1951-55	University of Michigan, Willow Run Laboratories, Research Assistant, Assistant Technical Editor
1950-51	University of Minnesota, Teaching Assistant

BOOKS

1. Recent Developments in Information and Decision Processes, R.E. Machol and Paul Gray (eds.), Macmillan, 1962.

2. Telecommunications-Transportation Tradeoffs: Options For Tomorrow, J. Nilles, F. Carlson, P. Gray, and G. Hanneman, John Wiley & Sons, 1976. (Translated into Japanese and published by Sangyo Nohritsu Tanki Daigaku, 1977; also translated into Portuguese for publication in Brazil).

3. Proceedings of the Chinese-U.S. Symposium on Systems Analysis, P. Gray and Y.Z. Liu (ed.), John Wiley & Sons, 1983. (Translated into Chinese; published by China Academic Publishers, 1983).

4. The Student's Guide to the Interactive Financial Planning System (IFPS), Paul Gray, McGraw-Hill, 1983. (Translated into German; published by McGraw-Hill, 1984)

5. The Student's Guide to the Interactive Financial Planning System (IFPS), Paul Gray, McGraw-Hill, Second Edition, 1987. International Edition 1989.

6. Guide to IFPS/Personal, Paul Gray, McGraw-Hill, 1988

7. Management of Information Systems, Paul Gray, W.R. King, E.R. McLean and H.J. Watson (eds.) Dryden Press, 1989.

8. SUCCESS: Strategic Business Unit Comprehensive Computer-based Expert Support System, Eli Segev and Paul Gray; Prentice-Hall, 1990

9. Decision Support and Executive Information Systems. Paul Gray (ed.) Prentice Hall, 1994 (also Prentice Hall International Editions, 1994)

10. Management of Information Systems, 2nd Edition Paul Gray, W.R. King, E.R. McLean and H.J. Watson (eds.) Dryden Press, 1994.

11. Productivity in the Office and the Factory, Paul Gray and J. Jurison (eds.) boyd&fraser, 1995

12. Visual IFPS/Plus for Business, Paul Gray, Prentice Hall, 1996

13. Decision Support in the Data Warehouse, Paul Gray and H.J. Watson, Prentice Hall 1998
14. Making Decisions About Information Systems for Managers, Paul Gray, Wiley 2006
15. What They Didn't Teach You in Graduate School, Paul Gray and D.E. Drew, Stylus 2008

ARTICLES

1. "Optimum Allocation of Interceptor Stockpile for Ballistic Missile Defense," Proceedings of the NATO Conference on Operational Research in the Strategic Duel, The Hague, Netherlands, 13 September 1966. (with I.J. Weinstein).

2. "Exact Solution of the Site Selection Problem by Mixed Integer Programming," Chapter 18 in Applications of Mathematical Programming Techniques, E.M.L. Beale, Editor, English Universities Press, 1970.

3. "Robbery and Assault Against Bus Drivers, A Systems Approach," Operations Research, Vol. 19, No. 2, March-April 1971.

4. "Exact Solution of the Fixed Charge Transportation Problem," Operations Research, Vol. 19, No. 6, November-December 1971.

5. "Solving Fixed Charge Location Allocation Problems with Capacity and Configurations Constraints," Transactions of the AIIE, December 1971 (with L. Ellwein).

6. "Network Design with Fixed and Variable Cost Elements," Transportation Science, Vol. 7, No. 1, February 1973 (with J. Billheimer).

7. "Analysis of a Satellite Air Terminal System," Transportation Engineering Journal of ASCE, Vol. 99, No. TE4, November 1973 (with Inder Sud).

8. "Analysis of Crime Prevention Strategies," Journal of Criminal Justice, Vol. 1, pp. 339-346, 1973 (with R.L. Rardon).

9. "Evaluation of Prison Systems," Journal of Criminal Justice, Vol. 2, pp. 3754, 1974 (with J.T. Pittman).

10. "File Management in Management Information Systems," Decision Sciences, Vol. 5, pp. 374-378, 1974 (with T.A. Wilson).

11. "Robbery and Assault of Bus Drivers Revisited," Transportation Research Forum, Vol. 15, pp. 244-45, 1974.

12. "Telecommuting: Telecommunications or Transportation," Proceedings of TRANSPO LA 1974, October 1974 (with J. Nilles, R.C. Carlson, and G. Hanneman).

13. "Telecommuting - A Possible Transport Substitute," The Logistics and Transportation Review, Vol. 11, No. 2, Summer 1975 (with J. Nilles).

14. "The Implications of Communications on Future Transportation Requirements," Proceedings of the 1975 International Conference on Cybernetics and Society, October 1975.

15. "Educational Systems," Chapter 36 in Operational Research '75, K.B. Haley, (ed.), North Holland Publishing Company, 1975 (with R.E. Machol).
16. "A Decision Tree Framework for Estimating the Costs of Simulation," Simulation, February 1976, pp. 43-48 (with R. Rezek and D. Young).

17. "Telecommunications--An Alternative to Urban Transportation Congestion," IEEE Transactions on Systems, Man and Cybernetics, SMC 6, No. 2, February 1976, pp. 77-84 (with J. Nilles, F.R. Carlson, and G. Hanneman).

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19. The Coming Substitution of Telecommunications for Air Travel, Hearings of the Subcommittee on Aviation, Committee on Science and Technology, U.S. House of Representatives, May 1976.

20. "The Shirt Allocation Problem," Operations Research, Vol. 24, No. 4, July-August 1976, pp. 788-92.

21. "Applied Optimization--A Survey," Interfaces, Vol. 6, No. 3, May 1976, pp. 24-41 (with C. Cullinan-James).

22. "The Economics of Simulation," Proceedings of the 1976 Winter Simulation Conference, December 1976.

23. "The Use of Futures Analysis for Transportation Policy Planning," Transportation Journal, Winter 1976 (with O. Helmer).

24. "A Detective Allocation Model," Journal of Criminal Justice, Vol. 4, No. 4, Winter 1976 (with W.R. Heitzmann).

25. "The Substitution of Communications for Transportation--A Case Study," Management Science, Vol. 23, No. 11, July 1977 (with D.A. Lopez).

26. "University Planning Models: A Survey and Bibliography," Council of Planning Librarians Exchange Bibliography 1279, May 1977.

27. "Faculty Planning and Affirmative Action," The Journal of the College and University Personnel Association, Vol. 28, No. 2, Spring 1977 (with R. Linnell).

28. "A Comprehensive Model for Long Range Academic Strategies by Walters, Mangold, and Haran," Communication to the Editor, Management Science, Vol. 23, No. 11, July 1977.

29. "Communications for Transportation: Implications for Transportation Engineering," Transportation Engineering, Vol. 4, No. 11, November 1977 (with D.A. Lopez and J. Nilles).

30. "The Computer and Hospital Productivity," Topics in Health Care Financing, Vol. 4, No. 2, Winter 1977.

31. "Modeling the Future," Proceedings of the Western AIDS Meeting, March 1978.

32. "The Personal Computer and Society: A Technology Assessment," Proceedings of the 1978 National Computer Conference, August 1978 (with J.M. Nilles, F.R. Carlson and J. Hayes). (Reprinted in Telecommunications Journal and in Futures).

33. "Computer Conferencing," Proceedings of the Western Systems Conference, October 1978.

34. "Using Futures Research Methods to Assess Policy Implications of the Personal Computer," Proceedings of the 3rd West Coast Computer Faire, November 1978.

35. "Managing the Simulation Project," Proceedings of the 1978 Winter Simulation Conference, December 1978.

36. "Analyzing the Future Impacts of Personal Computers," Proceedings of the 1979 National Computer Conference, June 1979 (with F. Roy Carlson).

37. "Is OR/MS Everywhere?" Interfaces, Vol. 9, No. 5, November 1979.

38. "Cross Impact Simulation of an Emerging Industry: The Case of Data Processing," Proceedings of the 1979 Winter Simulation Conference, December 1979 (with P.H. Rosenthal).

39. "A Faculty Model for Policy Planning," Interfaces, Vol. 10, No. 1, February 1980.

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41. "The SMU Decision Room Project," Proceedings of DSS '81 (June 1981), (Reprinted in Proceedings of the Chinese-U.S. Symposium on Systems

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42. "The Information Needs of Business in the Year 2000" in M. Boaz, Ch. 5 in Strategies for Meeting the Information Needs of Society in the Year 2000, Libraries Unlimited (1981).

43. "The Chinese-U.S. Symposium on Systems Analysis," Interfaces, Vol. 12, No. 1, February 1982.

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59. "Is IS Research on DSS Relevant" Information Resources Management Journal (1988) (With M. Mandviwalla)

60. "The User Interface in Group Decision Support Systems" DSS Journal (1989) (with L. Olfman)

61. "Managing the Emerging Information Systems Technologies: The Case of Group Technologies " Chapter 3.1 in MoIS: Management of Information Systems, P. Gray et. al.(eds.) , Dryden Press 1989. (In slightly different form in B. Dean and J.C. Cassidy (eds) Strategic Management: Methods and Studies, Amsterdam: North Holland (1990) pp. 271-290)

62. "Integrating an Expert System and DSS for Strategic Decision Support: A Case Study" Journal of Information Resource Management Vol 2, No. 1 (1989) (with E. Segev)

63. "Group Decision Support Systems" in Decision Support Systems:Putting Theory into Practice, 2nd. edition, edited by R.H. Sprague and H.J. Watson, Prentice Hall (1989); Revised version in 3rd edition (1993). (with J. Nunamaker)

64. "Executive Information Systems for Manufacturing: A Case Study" DSS-89 Transactions, June 1989 (with W.F. Evans and J.E. Rhodes) (Reprinted in P. Gray (ed.) Decision Support and Executive Information Systems, Prentice Hall (1994))

65. "Assessing GDSS Experimental Research " European Journal of Operations Research, Spring 1990 (with D. Vogel and R. Beauclair)

66. "Office Automation" in A. Sage (ed.) Concise Encyclopedia for Information Processing in Systems and Organizations, Pergamon Press (1990)

67. "Using Group Decision Support System Technology for Crisis Management", in Advances in Telecommunications Management, Vol. 3, T. Housel, editor, JAI Press, (1990) pp. 78-90

68. "The Claremont GDSS Support Environment" Proceedings of the Twenty Fourth Annual Hawaii International Conference on System Sciences (1991). (with M. Mandviwalla, L. Olfman, and J. Satzinger)

69. "From Crisis Management to Fast Response DSS: An International Perspective" DSS-91 Transactions, June 1991 (with H. El Sherif) (Reprinted in P. Gray (ed.) Decision Support and Executive Information Systems, Prentice Hall (1994))

70. "The Role of User Involvement, Expectations, and Satisfaction In Information System Adoption and Use" Information Technology and Management Vol. 10, No. 2 (1992) pp. 36-40. (with J. Jurison)

71. "The Decision Laboratory" in Computer Augmented Teamwork, R. Bostrum, et. al. (eds.) Van Nostrand (1992)

72. "New Directions in Group Decision Support Systems" in K.E. Kendall et. al. (eds.) The Impact of Computer Supported Technologies on Information Systems Development IFIP Transactions, North Holland (1992) (A shorter version of this paper appeared in Proceedings of the International Conference on Economics/Management and Information Technology (1992).

73. "The PhD Program in the Management of Information Systems at the Claremont Graduate School " Proceedings of the Twenty Sixth Annual Hawaii International Conference on System Sciences (1993). (with L. Olfman)

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75. "The User Interface in Group Support Systems" in Group Decision Support Systems, L. Jessup and J. Valasich (eds.) Macmillan Publishing Company, 1993 (with M. Mandviwalla, L. Olfman, and J. Satzinger)

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77. "Hands on Strategy Making" in Innovation Through Cooperation by H.E. Klein (ed.) : World Association for Case Method Research and Application (1993) (with E. Segev)

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80. “Business Uses of the Global Information Network” Proceedings of the Americas Conference on Information Systems (August 1995)

81. “Telecommuting” Letter to ACM Forum, Communications of the Association for Computing Machinery, December 1995 (with R. Westfall)

82. "Junk Computing" J. of Information Systems Management, Vol 13, No. 1 (Winter 1996) (Reprinted in R.E. Umbaugh, (ed.) Handbook of IS Management 1996-97 Yearbook pp. 83-92) (with R. Guthrie)

83. “Geographic Information Systems” in S.I. Gass and C.M. Harris, (eds.) Encyclopedia of Operations Research and Management Science, Kluwer Academic Publishers (1996) (with S. Suchocki)

84. “Group Decision Support Systems” in R.H. Sprague Jr. and H.J.Watson, (eds) Decision Support for Management , Upper Saddle River, NJ: Prentice Hall (1996) pp. 330-349 (WITH Jay Nunamaker)

85. “The Global Information Infrastructure: From the Internet toward worldwide commerce” J. of Information Systems Management, Vol. 13, No. 3 (Summer 1996)

86. “The Demand for Telecommuting” Proceedings of Telecommute ‘96 (April 1996) (with M.L. Markus, R. Westfall, and S. PonTell)

87. “The Role of Telecommuting in an Integrated Workplace: The WorkSmart Project” Proceedings of the 1996 ACM SIGCPR/SIGMIS Conference (April 1996) (with M. L. Markus and S. PonTell)

88. “The New DSS: Data Warehouses, OLAP, MDD, and KDD” Proceedings fo the Americas Conference on Information Systems (August 1996) pp. 917-919(with H. Watson)

89. “A Policy Analysis Tool for Group Decision Support Systems” in P. Walden et al. (eds.) The Art and Science of Decision Making, Abo, Finland: Abo Akademi University Press (1996) (with F.W. Sherman)

90. “The Virtual Society” OR/MS Today, December 1996 (with M. Igbaria)

90. “New Developments in Data Warehousing” J. of Data Warehousing, Vol. 2,

No.1. (1997) (with H.J. Watson)

91.”A Demand-Side Approach to Telecommuting”. Information Systems Management Vol. 14, No. 4(1997).

92. “International Negotiation Support Systems” J. of International Information Management, Vol. 5, No. 2 (1997)

93. “Systems Engineering at 40”. OR/MS Today. (AUGUST 1997)

94. “Academic Electronic Publishing: Scenarios for 2007” Proceedings of AIS Americas Conference on Information Systems (1997) (with A. Hovav)

95. “What Hath IS Wrought” Proceedings of AIS Americas Conference on Information Systems (1997)

96. “Data Mining and Data Warehouses – An Overview” Proceedings of AIS Americas Conference on Information Systems (1997)

97. “The Meta Environment: A New Group Support System Structure” Journal of Organizational Computing and Electronic Commerce (1997) (with M. Mandviwalla)

98. “Is IS Research on GSS Relevant?” Information Resources Management Journal. (Winter 1998) (with M. Mandviwalla)

99. “Data Warehouses, OLAP, Data Mining, and the New DSS” Proceedings of the Fourth Conference of the International Society for Decision Support Systems (1997)

100. “Do Modern Information Technologies Improve Productivity?” Drucker Management, Vol. 1, No. 2 (Fall-Winter 1997)(with J. Jurison)

101. "The Virtual Workplace." In Allen Kent and James G.Williams (Editors), Encyclopedia of Computer Science and Technology, Vol. 40, Supplement 25 (with M. Igbaria and M. Zviran) 1999. Reprinted in Allen Kent (Editor), Encyclopedia of Library and Information Science, Volume 40, Supplement 25 New York: Kluwer Academic Publishers

102. “Data Warehousing: Three Major Applications And Their Significance” in K. Kendall (ed.) Emerging Information Technologies. Sage Publications (1999) pp. 99-116

103. “Knowledge Base Clustering for KBS Maintenance” Journal of Software Maintenance. Journal of Software Maintenance Vol. 10 No. 6 (Nov.-Dec 1998) (with Ook Lee)

104. “Present and Future Directions in Data Warehousing” J. of Data Warehousing Vol. 3 No. 2 (1998) (with H.J. Watson)

105. “New Directions for GDSS” Group Decision and Negotiation Vol. 8 (1999) pp. 77-83 (With Munir Mandviwalla)

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107. “Joint AIS/ACM Committee Report on the MS in Information Systems Curriculum” Proceedings of AIS Americas Conference on Information Systems (1998) (With J. Gorgone)

108. “The Information MS Curriculum for the 21st Century: Breadth, Depth and Integration” Proceedings of the International Conference on Information Systems (1998) (with J. Gorgone)

109. “Graduate IS Curriculum for the 21st Century”. Proceedings of the Hawaii International Conference on Systems Science (1999) (with J. Gorgone)

110. “Reflections and Remembrances” OR/MS Today (February 1999) pp. 56-59

111. “What’s New in Data Warehousing 1999” Journal of Data Warehousing Vol. 4, No. 2 (Summer 1999) pp. 12-14

112. “Data Mining” Journal of Management Information Systems Vol. 1, No. 1 (Summer 1999) pp. 11-16 (with H.M. Chung)

113. “The Master of Science in IS Curriculum” Proceedings of the Fifth Americas Conference on Information Systems, Charlotte, NC (with J. Gorgone)

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115. “Using Scenarios to Understand the Frontiers of IS” Information Systems Frontiers, Vol. 1 No. 1 (1999) pp. 15-24 (with Anat Hovav)

116. “Virtual Organizations and E-Commerce” in M. Shaw et al. (editors) Handbook on Electronic Commerce, Springer Verlag, (with M. Igbaria)2000, pp. 481-499

117. “MSIS 2000: Model Curriculum and Guidelines for Graduate Degree Programs in Information Systems” Communications of AIS, January 2000 (with J. Gorgone et. al) (reprinted in Data Base, 2000)

118. “Graduate IS Curriculum for the Millenium: Background, Processes and Recommendations” Journal of Information Systems Education, 2000 (with J. Gorgone)

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123. “Scenarios for Electronic Publishing” Information Systems Frontiers (with A. Hovav) (2002)

124. “IS Research Relevance Revisited: Subtle Accomplishment, Unfulfilled Promise or Serial Hypocrisy?: Communications of AIS (with N. Kock et al.) (2002)

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126. “Customer Relationship Management (3 parts series) (with J. Byun) Journal of CRM (2003)

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128 “Technologies for Disseminating Knowledge” Ch. 38 in C.W. Holsapple (ed) Handbook of Knowledge Management, (with S. Tehrani)Springer (2003)

129. “Introduction to the Debate on the Core of the Information Systems Field” Communications of AIS (2003)

130. “Vigilant Information Systems for Managing Enterprises in Dynamic Supply Chains: Real-Time Dashboards at Western Digital “ (with O. El Sawy and R. Houghton) MIS Quarterly Executive (2004) (Reprinted in *Agile Information*

Systems: Conceptualization, Construction, and Management. Butterworth Heinemann, pp. 222-239,(2007))

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132. "MSIS 2006: Model Curriculum and Guidelines for Graduate Degree Programs ikn Information Systems, Communications of AIS (with 4 coauthors) (2006),

133. "Managing Online in Perpetual Perfect Storms: Insights from Indymac Bank (with O. El Sawy and E. Krogh) *MIS Quarterly Executive* (2005) (SIM 1st Prize paper)

134. "Academic Electronic Journals: Past, Present and Future (with A. Hovav) *Advances in Computing* (2006)

135. "How Shall We Manage Our Journals in the Future? A Discussion of Richard T. Watson's Proposals at ICIS 2004" *Communications of the Association for Information Systems* (2006) (With Kalle J. Lyytinen, Carol Saunders, Richard T. Watson, Leslie P. Willcocks, and Vladimir Zwass

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Decision Support Software for the IBM Personal Computer, McLeod, Interfaces, Vol. 16, No. 4 , July-August 1986

Analytic Planning: The Organization of Systems, Saaty and Kearns, Interfaces, Vol. 17, No. 3 May-June 1987

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Operational Research '87, Graham K. Rand (ed.), Interfaces, Vol. 20, No. 1, January-February 1990

Operational Research '90, Hugh E. Bradley(ed.), Interfaces, Vol. 22, No. 6, November 1992

Information Technology in a Global Business Environment: Cases and Readings. Deans and Jurison, eds., Interfaces, Vol 26, No. 3, May-June 1996

Converging Infrastructures, Branscomb and Keller, The Information Society (1998)

Also: over 50 Bookism columns in Information Systems Management between Spring 1987 and the present

PRESENTATIONS

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"Exact Solution of the Fixed Charge Transportation Problem," 1968 Spring Joint ORSA/TIMS Meeting, San Francisco, California, 1-3 May 1968.

"Robbery and Assault Against Bus Drivers--A Systems Approach," invited paper, 37th National Meeting of Operations Research Society, Miami,Fl, November1969.

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"Teaching Urban Systems--A Project Approach," 40th National Meeting of the Operations Research Society, Anaheim, California, October 1971.

"Estimating Demand in an Urban Mass Transportation System," by J.L. Aburto, R.C. Carlson, and Paul Gray, invited paper, 41st National Meeting of Operations Research Society, New Orleans, Louisiana, April 1972.

"Evaluation of Prison Systems," by J. Pittman and Paul Gray, 42nd National Meeting of the Operations Research Society, Atlantic City, New Jersey, November 1972.

"Intelligence Models in Public Safety," by Paul Gray and Thomas A. Wilson, invited paper, 42nd National Meeting of the Operations Research Society, Atlantic City, New Jersey, November 1972.

"Analysis of Crime Prevention Strategies," by Ronald L. Rardin and Paul Gray, invited paper, 42nd National Meeting of the Operations Research Society, Atlantic City, New Jersey, November 1972.

"The Economics of Simulation," 1973 Western Meeting American Institute of Decision Sciences, San Diego, Ca, March 1973 andthe 44th National meeting of the Operations Research Society, San Diego, Ca, November 1973.

"The Shirt Allocation Problem," 45th National Meeting of the Operations Research Society, Boston, Massachusetts, April 1974.

"Telecommunications-Transportation Tradeoffs--An Overview," 46th National Meeting of the Operations Research Society, San Juan, Puerto Rico, October 1974.

"Transportation and Telecommunications," in a panel on "Future Prospects for Urban Analysis," 46th National Meeting of the Operations Research Society, San Juan, Puerto Rico, October 1974.

"Computer Conferencing: The Users' View," Association for Computing Machinery, Annual Conference, San Diego, California, November 1974.

Participant, Department of Transportation Sponsored National Workshop on Public Safety in Transportation, Carnegie-Mellon University, February 1975.

"Optimal Police Patrol," International Meeting of the Institute of Management Science, Tokyo, Japan, July 1975.

"The Use of Futures Analysis in Transportation Planning," 7th Triannual Meeting of the International Federation of Operations Research Societies, Kyoto, Japan, July 1975.

"A Model of the Detective Function," by Paul Gray and W.R. Heitzmann, invited paper 48th National Meeting of the Operations Research Society, Las Vegas, Nevada, November 1975.

"Applied Optimization--A Survey," invited paper 48th National Meeting of the Operations Research Society, Las Vegas, Nevada, November 1975.

"A Model of Faculty Retirement Alternatives," by Paul Gray and Jonathan Yormark, invited paper 48th National Meeting of the Operations Research Society, Las Vegas, Nevada, November 1975.

"College and University Planning Models," Conference on Academic Planning for the Eighties and Nineties, Los Angeles, California, January, 1976.

"Faculty Planning Models--The USC Faculty Simulation Model," Conference on Academic Planning for the Eighties and Nineties, Los Angeles, California, January 1976.

"The Use of Models in Futures Research," invited paper ORSA/TIMS 1976 Joint National Meeting, Philadelphia, Pennsylvania, March 1976.

"The Economics of Simulation," invited tutorial, 1976 Bicentennial Winter Simulation Conference, Gaithersburg, Maryland, December 1976.

"Non-Traditional Sources of OR/MS Literature," invited paper TIMS/ORSA 1977 Joint National Meeting, San Francisco, California, April 1977.

"The Personal Computer and Society, A Technology Assessment," 8th International Federation of Operations Research Societies, Toronto, Canada, July 1978.

"Computer Conferencing," Western Systems Conference, Los Angeles, California, October 1978.

"The Use of Scenarios in Futures Modeling," invited paper TIMS/ORSA 1978 Joint National Meeting, November 1978.

"Using Futures Research Methods to Assess Policy Implications of the Personal Computer," 3rd West Coast Computer Faire, Los Angeles, California, November 1978.

"Managing the Simulation Project," invited tutorial, Winter Simulation Conference, Miami, Florida, December 1978.

"Using Futures Research Methods to Assess Policy Implications of the Personal Computer," invited paper TIMS/ORSA 1979 National Meeting, New Orleans, Louisiana, May 1979.

"Analyzing the Future Impacts of Personal Computers," National Computer Conference, New York, New York, June 1979.

"Technology Assessment of the Personal Computer," XXIV International Meeting of The Institute of Management Sciences, Honolulu, Hawaii, June 1979.

"Cross Impact Simulation of an Emerging Industry: The Case of Data Processing," Winter Simulation Conference, San Diego, California 1979 (with P.H. Rosenthal).

"Is 10 Years Better than 7 Years," invited paper TIMS/ORSA 1980 National Meeting, Washington, D.C., May 1980.

"A Technology Assessment of Personal Computers," invited paper TIMS/ORSA National Meeting, Washington, D.C., May 1980.

"Advanced Conferencing," World Future Society Triannual Meeting, Toronto, Canada, June 1980.

"Decision Making Rooms," TIMS College on Management Information Systems, Williams College, Williamstown, Massachusetts, August 1980.

"The SMU Decision Room Project," PRC-US Joint Symposium on Systems Analysis, Xian, China, April 1981. (Also at TIMS/ORSA/CORS National Meeting, Toronto, Canada, May 1981; DSS '81, Atlanta, Georgia, June 1981; and Finance Management Association Meeting, San Francisco, California, October 1982.)

"Use of Decision Rooms for Organizing Information," Association of Information Managers, Washington, D.C., April 1982.

"A Financial Planning Languages as the Principal Computer Language for MBA's," (with T.E. Perkins), Northeast AIDS Meeting, Washington, D.C., April 1982.

"Initial Experimental Results on Executive Productivity from the Decision Room Project," National Computer Conference, Houston, Texas, June 1982.

"Using Financial Planning Languages for Simulation," invited tutorial, Winter Simulation Conference, San Diego, California, December 1982.

"Using the Xerox Star for Mathematical Text Processing," invited paper TIMS/ORSA National Meeting, Chicago, Illinois, April 1983.

"Initial Observations From the Decision Room Project," DSS '83, Boston, Massachusetts, June 1983.

"Office Automation and the Middle Manager," invited paper TIMS/ORSA National Meeting, San Francisco, California, May 1984.

"Application of Spread-Sheet Microcomputer Modeling Languages to MS/OR," invited paper, TIMS XXVI International Meeting, Copenhagen, Denmark, June 1984.

"Exploring Line and Staff Relations Using the Garbage Can Model," invited paper TIMS/ORSA National Meeting, Dallas, Texas, November 1984.

"Group Decision Support Systems", invited tutorial 19th Hawaii International Conference on System Science, January 1986.

"Gaming and Group DSS" DSS-86, Washington, D.C., April 1986

"The Interface Problem in Group Decision Support Systems" (with L. Olfman), 21st Hawaii International Conference on System Science, January 1988.

"The User Interface in Group Decision Support Systems" DSS-88, Boston Massachusetts, June 1988.

"Hypertext Before there Was Hypertext" panel on Hypertext, International Conference on Information Systems, Minneapolis, MN, December 1988.

"Groupware", panelist, TIMS/ORSA/CORS Joint Meeting Vancouver, BC, Canada, May 1989

"Typology for GDSS Research" TIMS/ORSA/CORS Joint Meeting Vancouver, BC, Canada, May 1989

"Using Group Decision Support Systems for Crisis Management", panelist, TIMS XXIX International Meeting, Osaka, Japan, July 1989

"The GDSS Research Agenda for the Nineties" invited paper TIMS/ORSA National Meeting, New York, NY, October 1989.

"Group Decision Support Systems" invited tutorial, 3rd International Congress on Economics, Management, and Information Technology, Tokyo, Japan September 1992

"Group Decision Support Systems" invited Plenary Speaker, Korean Society for Information Management, Seoul, Korea October 1993

“Business Uses of the Global Information Infrastructure” Invited Tutorial, AIS Americas Conference August 1995 (also Society for Information Management, Cairo, Egypt June 1995)

“The Role of Telecommuting in an Integrated Workplace: The WorkSmart Project” SIGCPR/SIGMIS Denver CO April 1996

“The Demand for Telecommuting” Telecommute ’96 Jacksonville, FL, April 1996

“The Future of Omega Rho” INFORMS National Meeting, Washington, DC, May 1996

“New Directions for GDSS” Triannual meeting of the International Federation of Operational Research Societies (IFORS), Vancouver, BC June 1996

“The New DSS: Data Warehouses, OLAP, MDD, and KDD” Invited Tutorial, AIS Americas Conference ‘96, Phoenix AZ, August 1996

“The Future of Professional Meetings” Panel Member, AIS Americas Conference ‘96, Phoenix, AZ, August, 1996

“The New DSS: Data Warehouses, OLAP, MDD, and KDD” Invited Tutorial, Fourth Conference of the International Society for Decision Support Systems, Laussane, Switzerland, July 1997

“Academic Electronic Publishing” (with A. Hovav) AIS Americas Conference, ’97 Indianapolis, IN, August 1997

“Data Mining and Data Warehouses - An Overview” AIS Americas Conference ’97 Indianapolis IN, August 1997

“The New DSS: Data Warehouses, OLAP, MDD, and KDD” Invited Tutorial, Hawaii International Conference on Systems Science, Kona, HI, January 1998

“Academic Electronic Publishing: A Framework” AIS Americas Conference on Information Systems, August 1998 Baltimore, MD (With A. Hovav)

“Joint AIS/ACM Committee Report on the MS in Information Systems Curriculum” AIS Americas Conference on Information Systems, August 1998, Baltimore, MD (With J. Gorgone)

Panel: “Interim Report on AIS/ACM MS Curriculum” International Systems Education Conference, October 1998 (with J. Gorgone)

“Graduate IS Curriculum for the 21st Century” Institute for Management Science and Operations Research, October 1998

“MS Curriculum in Information Systems” Decision Sciences Institute, Las Vegas, NV November 1998

“Knowledge Management” Invited Tutorial AIS Americas Conference on Information Systems, Milwaukee WI, August 1999

"Report of the Joint ACM/AIS Committee on Graduate IS Curriculum" AIS Americas Conference on Information Systems, Milwaukee, WI, August 1999 (with J. Gorgone et al.)

"MSIS 2000: A preview of the Final Report of the Joint ACM/AIS Committee on Graduate Education" Joint meeting of Academy for Information Management Conference and International Conference of Information Systems, Charlotte, NC December 1999

"Three Challenges for IS" Keynote address, BITNET 2000, Mexico City (via videoconferencing) June 2000

"Three Challenges for IS" Keynote address, AMCIS 2000, Long Beach California, August 2000

"Advice for Young Faculty" Decision Sciences Institute, San Francisco, CA November 2001

Panel: "Relevancy in IS" ICIS 2001, New Orleans LA. December 2000

Panel Chair: "Refereeing" ICIS 2005, Las Vegas, NV December 2005

"What They Didn't Teach You in Graduate School" AMCIS 20008, Toronto, CA; AMA 2008.

PROFESSIONAL ACTIVITIES

Professional Societies:

Association for Information Systems
Association for Computing Machinery
IINFORMS
Society for Information Management

Offices and Editorships

Editorships

Editor-in-Chief, The Communications of AIS 1998-2005
Editor-In-Chief, International Information Systems 1991-92
Editor, INFORMS Tutorials in Operations Research 2005-

Guest Editor, Volume 2, International Transactions on Operational Research (ITOR) 1995-96; Associate Editor ITOR 1996-
Guest Editor, Journal of Management Information Systems, Special Issue on Data Mining 1998-1999 (with HM Chung)
Associate Editor, MISQ Executive 2007-
Associate Editor, Journal of Forecasting, 1985-2000
Editor-At-Large, Interfaces, 1982-2004
Board of Advisors and Contributors, Information Systems Management, 1985-
Book Review Editor, Information Systems Management, 1987-
Associate Editor, Group Decisions and Negotiations, 1991-
Associate Editor, Journal of Strategic Information Management 1993-
Associate Editor, Business Intelligence Journal (previously Journal of Data Warehousing) 1996-
Associate Editor, Frontiers of Information Systems 1998-
Departmental Editor, Management Science, 1977-1985; Associate Editor, 1975-77
Associate Editor, Naval Research Logistics Quarterly, 1977-88
Associate Editor, Operations Research, 1973-78; Co-editor, Special Issue on Decision Support Systems 1987-88
Editor, Bulletin of the Operations Research Society, 1969-71

Offices:

President, The Institute of Management Sciences 1992-93
President-Elect, The Institute of Management Sciences, 1991-92
Past President, The Institute of Management Sciences 1993-94
Member, Council of Scientific Societies Presidents 1992-94
President, Omega Rho, 1988-1990 (President-elect 1986-88, Past President 1990-92)
Member, Publications Committee, Association for Information Systems 1995-2005
Chair, Nominating Committee TIMS 1993-94
Co-Chair, Merger Transition Committee, TIMS 1993-94
Chair, OR/MS Today Board 1994
Member, Council of the Operations Research Society of America 1988-91
Vice President At Large, The Institute of Management Sciences, 1983-86
Secretary, The Institute of Management Sciences, 1975-79
General Chair, DSS-86 1985-86
Chairman, Publications Committee, Operations Research Society, 1971-73; Member 1969-71
Chairman, Membership Committee, Operations Research Society, 1973-75; Member 1975-78
Chairman, INFORMS Kimball Prize Committee, 2007, Member 2005-2007

Chair, AIS LEO Prize Committee 2006- 2007
U.S. Delegate to the International Federation of Operations Research Societies (IFORS) Triannual Meetings: Venice, Italy 1969; Dublin, Ireland 1972; Tokyo, Japan 1975; Toronto, Canada 1978; Washington D.C. 1984, Vancouver, B.C. 1996
Member, subcommittee of Publications Committee of IFORS, 1975-76
Member, Special Blue Ribbon Panel of the Decision Sciences Institute on the future of its publications (2007)
Lecturer, ORSA/TIMS National Visiting Lecturer Program 1971-86
TIMS Representative to AACSB 1975-81, 1983-86
TIMS Representative to National Research Council 1975-79
Member, TIMS Ad Hoc Committee on Employment, 1982-85
Member, ORSA Public Affairs Committee, 1980-83
Member, ORSA Kimball Prize Committee, 1981, 1982, 2005- ,
Member, ORSA Educational and Student Affairs Committee, 1981-83
Member, Search Committee for Editor, Operations Research, 1986-87
Member, OR/MS Archive Committee of TIMS and ORSA 1986-88
Member, Constitutional Revision Committee of ORSA/TIMS 1991-93

Program Committees:
ISDSS , Laussane Switzerland 1997, Melbourne, Australia 1999, Calcutta, India, 2007.
International Conference on Electronic Commerce, Korea 1998
Special Interest Group on Computer Personnel Research, Assn. For Computing Machinery 1996, 1997, 1998, 1999, 2000, 2001
Advisory Panel, Hawaii International Conference for System Sciences 1995-2001
Honorary Chair, AMCIS 2000, Long Beach, CA 1998-2000
Honorary Chair, AMCIS 2009, San Francisco, CA 2004-

Session Chair and Organizer-TIMS/ORSA National and International Meetings

Topic	Location	Date
Highway Safety	Washington, D.C.	Spring 1970
Integer Programming	Detroit, MI	Fall 1970
Contributed Papers	New Orleans, LA	Spring 1972
Public Safety	Atlantic City, NJ	Fall 1972
Transportation Models	Milwaukee, WI	Spring 1973
Communications/Transportation Tradeoffs	San Juan, PR	Fall 1974
OR in Public Safety	Monterey, CA	Spring 1975
Public Safety	Las Vegas, NV	Fall 1975
OR/MS and Futures Research	Philadelphia, PA	Spring 1976
Futures Research	Miami, FL	Fall 1976
Communications and the Work Setting	Athens, Greece	July 1977
OR/MS and the Consumer	Atlanta, GA	Fall 1977

Modeling the Future	Los Angeles, CA	Fall 1978
OR/MS and the Personal Computer	New Orleans, LA	Spring 1979
Futures Research	Honolulu, HI	June 1979
Educational Models	Milwaukee, WI	Fall 1979
Futures	Washington, DC	Spring 1980
Decision Rooms	Toronto, Canada	Spring 1981
Decision Making Rooms	Houston, TX	Fall 1981
Decision Making Rooms	San Diego, CA	Fall 1982
Technology and Middle Management	San Francisco,CA	Spring 1984
Micro Computer Applications	Copenhagen,Denmark	June 1984
Modeling Decision Making	Dallas, TX	Fall 1984
Microcomputer Applications	Los Angeles, CA	Spring 1986
Group Decision Support Systems	Miami, FL	Fall 1986
Information Systems Track	Osaka, Japan	Summer 1989
Information Systems Track	New York, NY	Fall 1989
The MS Program in Info. Systems	Washington, DC	Spring 1996

Session Chairman and Organizer-Other than TIMS/ORSA

Topic	Meeting	Date
Simulating the Future	Winter Simulation Conference	Dec 1979
Simulation-A Planning Too	National Computer Conference	May 1980
Computer Aided Decision Rooms	National Computer Conference	June 1982
Decision Making Rooms	World Futures Society	July 1982
Systems and OR	Int'l Federation of Operations Research Societies	August 1984
Group Decision Support Systems	Hawaii Int'l Conference on Systems Science(HICCS '86)	January 1986
Group Decision Support Systems	HICCS '87	January 1987
Evaluation of IS Research	ICIS Planning Meeting	April 1987
Group Decision Support	DSS '87	June 1987
Group Decision Support	DSS '88	June 1988
Group Decision Support Track	HICSS '90	January 1990
Future of GDSS Software	DSS '90	May 1990
Group Decision Support Track	HICSS '91	January 1991
International Information Systems	HICSS '92	January 1992
IS: A Profession at the Crossroads	ICIS '92	Dec. 1992
International Information Systems	HICSS '93	January 1993

International Information Systems	Int'l Federation of Operations Research Societies	July 1993
Electronic Meetings and Media	ICIS '93	Dec. 1993
International Information Systems	HICSS '94	January 1994
MS Programs in IS	AIS Americas ‘95	August 1995
Decision Support Systems	IFORS SPC-3	January 1996
MS Programs in IS	AIS Americas ‘96	August 1996
Group Decision Support Systems	IFORS ‘96	June 1996
Data Warehousing	HICSS ’97 through ‘02	January
What Hath IS Wrought	AIS Americas ’97	August 1997
MS Program in IS	AIS Americas ‘97	August 1997
IS Bowl	AIS Americas ‘97	August 1997
Advice to Young Faculty	ICIS ‘97	Dec. 1997
IS Bowl	AMCIS Americas 2000	August 2000
Tutorials	AMCIS Americas 2001	August 2001
Tutorials	AMCIS Americas 2002	August 2002
Tutorials	AMCIS Americas 2003	August 2003
Tutorials	AMCIS Americas 2004	August 2004
Managing IS Journals	ICIS 2007	Dec. 2007

Reviewer and Referee

Journals:

Communications of the ACM
Decision Sciences
Group Decision and Negotiation
Human Systems Management
Hawaii International Conference on Systems Science
ICIS Conferences
IEEE Transactions on Engrg. Mgmt
The Information Society
Information Systems Management
Information Systems Research
INFORMS Journal on Education
Interfaces
International J. of Intelligent Systems
International J. of Electronic Commerce
International Transactions in Operational Research
Journal of Criminal Justice
Journal of Management Information Systems
Management Science
Mathematical Programming
Mathematical Reviews
METRA
MIS Quarterly
Omega
Operations Research
Systems, Man and Cybernetics
Simulation
Transport Planning and Technology
Transportation Science

Publishers:

Addison-Wesley, McGraw-Hill, Wiley, Wiley (UK) Macmillan, Irwin, American Elsevier, Worth, BPI, Mitchell, Van Nostrand Rheinhold, Dryden Press, boyd & fraser, Prentice Hall, Sage, Springer Verlag

Proposals to Government Agencies:

Air Force Office of Scientific Research
National Science Foundation
Social Sciences and Humanities Research Council

Other Professional Activities

U.S. Delegate to NATO Conference on the Strategic Duel

Speaker before local and student chapters of The Institute of Management Science, Operational Research Society (Great Britain), Japanese Industrial Management Association and Operations Research Society of Japan (Tokyo), ACM, the American Statistical Association, URISA, the Chamber of Commerce, Town Hall, Spring Systems Conference, Association for Systems Management, Orange County CIO Breakfast,

Lecturer, Continuing Education Programs at Stanford, Columbia, University of California at Berkeley, University of Minnesota, University of Southern California, Southern Methodist University, Claremont Graduate School, Southwest Graduate School of Banking, ESAN (Peru)

Distinguished Lecturer, International Institute for Advanced Systems Analysis, University of Louisville, University of Georgia, San Jose State University, San Diego State University, American University in Cairo, University of Arizona, The Rand Corporation, The University of Michigan, Ohio State University, Los Alamos National Laboratory, California State University, San Bernardino, University of Southern California, University of California at Los Angeles, University of California at Irvine.

Banquet Speaker, Washington OR/MS Council, May 1993

HONORS AND AWARDS

2006 Lifetime Achievement Award SIGMIS-CPR
2003 Kimball Medal of INFORMS

2002 LEO Award of the Association for Information Systems for Lifetime Achievement
2002 Elected Fellow, INFORMS
2000 Educator of the Year, EDSIG
1999 Elected Fellow, Association for Information Systems
1997 International Research Fellow, Center for Electronic Commerce (Korea)
1997- Visiting Researcher, Graduate School of Management, UC-Irvine
1993 Visiting Researcher, Graduate School of Management, UC-Irvine
1990 Visiting Researcher, Graduate School of Management, UC-Irvine
1989 Visiting Scholar, University of Auckland, Auckland, New Zealand
1989 Visiting Scholar, Fribourg University, Fribourg Switzerland
1986 Visiting Scholar, Sloan School of Management, MIT
1981 Chairman, Peoples Republic of China-U.S. Joint Symposium on Systems Analysis (Xian, China)
1978 NATO Systems Science Prize
1978 Visiting Scholar, Anderson Graduate School of Management UCLA

Elected to the following honorary societies:

Phi Beta Kappa
Pi Mu Epsilon
Sigma Xi
Omega Rho
Eta Kappa Nu

GRANTS

Co-Principal Investigator NSF Grant "Telecommunications-Transportation Tradeoffs, U. of Southern California 1973 $200,000
Co-Principal Investigator NSF Grant "Technology Assessment of Personal Computers" U. of Southern California 1979 $300,000
Principal Investigator ARCO Foundation Grant "Group Support Systems" Southern Methodist University, $250,000
Co-Principal Investigator, IBM Corporation Grant "Information Systems" Claremont Graduate University $2,000,000
Co-Principal Investigator, NSF Grant "CISE Research Instrumentation: ATM Switch and Workstation" CGU and Harvey Mudd $37,000
Co-Principal Investigator, NSF Industry-Academic Research Program, Center for Research on Information and Technology, University of California at Irvine, $25,000