Curriculum Vitae

Andrew B. Whinston

General Information

Title: Professor of Information Systems and Economics
          Hugh Roy Cullen Centennial Chair in Business Administration
          Director, Center for Research in Electronic Commerce
          The University of Texas at Austin

Education

1957   B.A.   University of Michigan
1960   M.S.   Graduate School of Industrial Administration
                Carnegie-Mellon University
1962   Ph.D.   Graduate School of Industrial Administration
                Carnegie-Mellon University

Honors

1957-1958   Sanxsay Fellow, Princeton University
1958-1961   Pre-Doctoral Fellow of the National Science Foundation
1962-1963   Post-Doctoral Fellow of the National Science Foundation
                (Visitor of the Econometric Institute, Rotterdam, the Netherlands), Alexander
                Henderson Award for Excellence Economic Theory, Carnegie Institute of
                Technology
1966-1967   Ford Foundation Faculty Research Fellowship
2005   The LEO Awards for Lifetime Exceptional Achievement in Information Systems,
                AIS Fellowship
2009   Career Award for Outstanding Research Contributions, University of Texas at
                Austin
                INFORMS Information Systems Society Distinguished Fellow

Professional Affiliations

Member, Editorial Board: Electronic Markets, French Journal of Operations Research, Future
        Generation Computer Systems, Information & Management, Journal of Electronic
        Commerce, Journal of Management Information Systems, Studies in Informatics and
        Control, and Information Systems Frontiers

Member, Advisory Board: Information Technology & Management, Pacific Economic Review, and
        the International Journal of Information Technology and Decision Making.

Editor-in-Chief, Decision Support Systems (published by Elsevier)

Research and/or Professional Experience

        Professor of Information Systems and Economics
        Hugh Roy Cullen Centennial Chair in Business Administration
        Director, Center for Research in Electronic Commerce
        The University of Texas at Austin, 1988-

E. Weiler Distinguished professor of economics and management, Purdue University, 1966-1988.

Associate professor of economics, University of Virginia, 1964-1966.

Assistant professor of economics, member of Cowlas foundation, Yale University, 1961-1964.

Publications (Refereed Journal Articles)

1. "A Model of Multi-Period Investment Under Uncertainty" (with B. Naslund), Management Science, Vol. 8, 1962, pp. 184-200.

2. "Externalities Welfare and the Theory of Games" (with O.A. Davis), Journal of Political Economy, Vol. 70, June 1962, pp. 241-262.

3. "A Model of Decision Making Under Uncertainty" (with B. Naslund), Metroeconomica, August 1964. 4.

4. "A Model of Decision Making Under Uncertainty" (with B. Naslund), Metroeconomica, August 1964.

5. "Economics of Complex Systems -- Case of Municipal Zoning" (with O.A. Davis), Kyklos, September 1964.

6. "The Simplex and Dual Method for Quadratic Programming" (with C. van de Panne), Operational Research Quarterly, December 1964.

7. "A Decomposition Algorithm for Quadratic Programming," Cahier de Centre de Recherche Operationelle, December 1964.

8. "Simplicial Quadratic Programming Procedures" (with C. van de Panne), Naval Research Logistics Quarterly, December 1964.

9. "A Dual Decomposition Algorithm for quadratic Programming," Cahier de Centre de Recherche Operationelle, December 1964.

10. "Bounded Variable Algorithm," Naval Research Logistics Quarterly, Vol. 12, No. 2, 1965.

11. "Welfare Economics and the Theory of Second Best" (with O.A. Davis), Review of Economic Studies, February 1965.

12. "Some Notes on Equating Private and Social Costs" (with O.A. David), Southern Economic Journal, October 1965.

13. "Conjugate Functions and Dual Programs," Naval Research Logistics Quarterly, September-December 1965.

14. "On Some Variational Theorems" (with B. Naslund), Opsearch, 1966.

15. "A Parametric Simplicial Formulation of Houthakker's Capacity Method" (with C. van de Panne), Econometrica, April 1966.

16. "A Comparison of Two Methods for Quadratic Programming" (with C. van de Panne), Operations Research, May-June 1966.

17.   "On Two-Commodity Network Flows" (with B. Rothschild), <u>Operations</u> <u>Research</u>, May-June 1966.

18.   "Externalities Information and the Governmental Assisted Invisible Hand," (with O. A. Davis), <u>Economica</u>, August 1966.

19.   "Experimental Methods in Quadratic Programming" (with J. Moore), <u>Management Science</u>, September 1966.

20.   "Feasibility of Two-Commodity Network Flows" (with B. Rothschild), <u>Operations Research</u>, November-December 1966.

21.   "On the Distinction between Public and Private Goods" (with O. Davis), <u>Papers and Proceedings American Economic Association</u>, May 1967.

22.   22. "Piecemeal Policy in the Theory of Second Best" (with O. Davis), <u>The Review of Economic Studies</u>, Vol. XXXIV (3), No. 99, July 1967, pp. 323-31.

23.   "Maximal Two-Way Flows" (with B. Rothschild), <u>Siam Journal of Applied Mathematics</u>, Vol. 15, No. 5, September 1967.

24.   "An Alternative Interpretation of the Primal-Dual Method and Some Related Parametric Methods" (with C. van de Panne), <u>International Economic Review</u>, Vol. 9, February 1968.

25.   "The Application of a Nonlinear Programming Algorithm to a Second Order Representation of the Problem" (with G. Graves), <u>Cahier de Centre de Recherche Operationelle</u>, June 1968.

26.   "A New Approach to Discrete Mathematical Programming" (with G. W. Graves), <u>Management Science</u>, November 1968.

27.   "Water Pollution Control Using By-Pass Piping" (with G. Graves and G. Hatfield), <u>Water Resources Research</u>, February 1969.

28.   "The Symmetric Formulation of the Simplex Method for Quadratic Programming" (with C. van de Panne), <u>Econometrica</u>, July 1969.

29.   "Programming, Profit Rates and Pricing Decisions" (with Claude S. Colantoni and Rene P. Manes), <u>The Accounting Review</u>, July 1969.

30.   "An Information System for Vehicle Scheduling" (with R. Noonan), <u>Software Age</u>, November 1969.

31.   "The Welfare Economics of Water Resource Allocation Over Time" (with Edna Loehman), <u>Applied Economics</u>, Vol. 2, 1970.

32.   "Two Algorithms for Integer Optimization" (with Edna Loehman and Ph.T. Nghiem), <u>French Journal of Operations Research</u>, V-2, 1970, pp. 43-60.

33.   "A Matching Theorem for Graphs" (with D. Kleitman, A. Martin-Lof and B. Rothschild), <u>Journal of Combinatorial Analysis</u>, Vol. 8, No. 1, January 1970, pp. 104-114.

34.   "An Algorithm for the quadratic Assignment Problem" (with G. Graves), <u>Management Science</u>, Vol. 17, No. 7, March 1970, pp. 453-71.

35.   "A Unified Approach to the Theory of Accounting and Information Systems" (with C. Colantoni and R. Manes), Accounting Review, January 1971.

36.   "A New Theory of Pricing and Decision-Making in Public Investments" (with E. Loehman), The Bell Journal of Economics and Management Science, Vol. 2, No. 2, Autumn 1971.

37.   "Computer-Assisted School Bus Scheduling" (with R.D. Angel, W.L. Caudle and R. Noonan), Management Science, Vol. 18, No. 6, 1972.

38.   "Production Function Theory and the Optimal Design of Waste Treatment Facilities" (with J. Marsden and D. Pingry), Applied Economics, Vol. 4, 1972.

39.   "Pattern Recognition and Quantitative Political Theory" (with J.M. Blin, K.S. Fu, and K. Moberg), IEEE Transactions on Decision and Control, 1972.

40.   "Mathematical Programming for Regional Water Quality Management" (with G. Graves and G. Hatfield), Water Resources Research, Vol. 8, No. 2, April 1972.

41.   "Resource Allocation in a Non-Convex Economy" (with James C. Moore and Joseph S. Wu), Review of Economic Studies, July 1972.

42.   "Taxation and Water Pollution Control" (with Terry A. Ferrar), Natural Resources Journal, Vol. 12, No. 3, July 1972.

43.   "Optimal Investment with Time Lags" (with E. Loehman and M. El-Hodiri), Metroeconomica, Vol. XXIV, n-2, July-August 1972.

44.   "Water Quality Control: Application of a Nonlinear Programming Algorithm" (with G. Graves and D. Pingry), Revue Francaise D'Informatique et de Recherche Operationelle, October 1972.

45.   "A New Approach to Water Allocation Under Uncertainty" (with George Thomas and Gordon Wright), Water Resources Research, October 1972.

46.   "An Optimal Growth Model with Time Lags" (with M. El-Hodiri and E. Loehman), Econometrica, Vol 40, No. 6, November 1972.

47.   "An Algorithm for Nonconvex Optimization" (with Glenn Graves), Revue de Statistique - Tijdschrift voor Statistiek, December 1972.

48.   "Design of a Corporate Computer System: From Problem Statement to Cost Allocation" (with J.F. Nunamaker), Management Informatics, Vol. 2, No. 4, 1973.

49.   "Application of Nonlinear Programming to Water Quality Control" (with J. Marsden and D. Pingry), Water, Air, and Soil Pollution, 2, 1973, pp. 155-169.

50.   "Social Choice and Formal Language Theory" (with Mary Louise Piccoli), Journal of Cybernetics, 3.2, 1973.

51.   51. "The Allocation of Troublesome Material" (with Terry A. Ferrar), INFOR, Canadian Journal of Operations Research, Vol. 11, No. 3, October 1973.

52. "Regression Analysis Applied to the Wastewater Treatment Plants" (with J. Marsden and D. Pingry), <u>Journal Water Pollution Control Federation</u>, Vol. 45, No. 10, October 1973.

53. "A Multi-goal Water Quality Planning Model" (with D. Pingry), <u>Journal of the Environmental Engineering Division, American Society of Civil Engineers</u>, December 1973.

54. "Quasi-Concave Minimization Subject to Linear Constraints" (with Antal Majthay), <u>Discrete Mathematics</u>, 9, 1974.

55. "An Axiomatic Approach to Cost Allocation for Public Investment" (with E. Loehman), <u>Public Finance Quarterly</u>, Vol. 2, No. 2, April 1974.

56. "Fixed Cost Minimization Over a Leontief Substitution System" (with G. Koehler and G. Wright), <u>Revue Francaise d'Automatique, Informatique de Recherche Operationelle</u>, Vol. 2, May 1974.

57. "Local Optimization for Nonconvex Quadratic Programming" (with J. Coffman and A. Majthay), <u>Naval Research Logistics Quarterly</u>, Vol. 21, No. 3, September 1974.

58. "Process Analysis: A Comment" (with J. Marsden and D. Pingry), <u>The American Economic Review</u>, September 1974.

59. "Engineering Foundations of Production Functions" (with J. Marsden and D. Pingry), <u>Journal of Economic Theory</u>, Vol. 9, No. 2, October 1974.

60. "An Iterative Procedure for Nondiscounted Discrete-Time Markov Decisions" (with Gary J. Koehler and Gordon P. Wright), <u>Naval Research Logistics Quarterly</u>, Vol. 21, No. 4, December 1974.

61. "Discriminant Functions and Majority Voting" (with J.M. Blin), <u>Management Science</u>, January 1975.

62. "Water Quality Management and Information System" (with W. D. Haseman and A.Z. Lieberman), Journal of Hydraulics Division, American Society of Civil Engineers, March 1975, pp. 477-493.

63. "Structuring of an Events-Accounting Information System" (with A.Z. Lieberman), <u>Accounting Review</u>, March 1975.

64. "The Solution of Large Scale Leontief Substitution Systems" (with G. Koehler and G. Wright), <u>Management Science</u>, Vol. 21, No. 11, July 1975.

65. "Security for the GPLAN Systems" (with J. Cash and W.D. Haseman), <u>Information Systems</u>, Vol. 1, July 1975, pp. 41-48.

66. "A Partial Implementation of the CODASYL DBTG Report as an Extension to FORTRAN" (with W.D. Haseman and J.F. Nunamaker), <u>Management Datamatics</u>, September 1975.

67. "The Large-Scale Regional Plant Hypothesis: Discriminant Analysis" (with James R. Marsden and David E. Pingry), <u>Water Resources Research</u>, Vol. 11, No. 6, December 1975.

68. "Picture Processing and Automatic Data Base Design" (with R.H. Bonczek), <u>Computer Graphics & Image Processing</u>, Vol. 5, 1976, pp. 484-495.

69.   "Implementation of a Large Scale Water Quality DMS" (with W.D. Haseman and C. Holsapple), <u>Journal of Social and Economic Planning</u>, Vol. 10, 1976, pp. 31-36.

70.   "Extensions and Corrections for the CODASYL Approach to Data Base Management" (with R.H. Bonczek and C.W. Holsapple), <u>International Journal of Information Systems</u>, Vol. 2, 1976.

71.   "O.R. Data Base Interface - An Application to Pollution Control" (with W.D. Haseman and C. Holsapple), <u>Computer and Operations Research</u>, January 1976.

72.   "Information Systems for Public Sector Management" (with W.D. Haseman), <u>Annals of Economic and Social Measurement</u>, January 1976.

73.   "Design of Multidimensional Accounting Information Systems" (with W.D. Haseman), <u>Accounting Review</u>, January 1976.

74.   "Implementation of a Large Scale Water Quality Data Management System" (with W.D. Haseman, C.W. Holsapple), <u>Socio-Economic Planning Sciences</u>, March 1976.

75.   "Game Theoretic Approach to Peak-Loan Pricing" (with J.R. Sorenson and J.T. Tschirhart), <u>The Bell Journal of Economics</u>, Vol 7, No. 1, Autumn 1976.

76.   "Environmental Data Management - The Identification of Outliers" (with James R. Marsden and David E. Pingry), <u>Journal of Environmental Economics and Management</u>, November 1976.

77.   "Automatic Program Interface" (with W.D. Haseman), <u>The Computer Journal</u>, Vol. 20, No. 3, 1977.

78.   "An Automatic Price Adjustment Formula for a Regulated Firm" (with S. Ram-Mohan, V. Salas), <u>Applied Economics</u>, 1977.

79.   "The Equivalence of Three Social Decision Functions" (with R. Adelsman), <u>French Journal of Operations Research</u>, Vol. 11, 1977.

80.   "A General Equilibrium Framework for the Divvy Economy" (with V. Salas), <u>Journal of Economic Theory</u>, Vol. 14, No. 1, April 1977.

81.   "Sophisticated Voting with Information for Two Voting Functions" (with R. Adelsman), <u>Journal of Economic Theory</u>, Vol. 15, No. 1, June 1977.

82.   "A Generalized Mapping Language for Network Data Structures" (with R.H. Bonczek), <u>International Journal of Information Systems</u>, Vol. 2, July 1977.

83.   "A Survey of Techniques for Auditing EDP Based Accounting Information Systems" (with J.I. Cash and A. Bailey), <u>Accounting Review</u>, October 1977.

84.   "Information Transferral Within a Distributed Data Base via a Generalized Mapping Language" (with R.H. Bonczek and C.W. Holsapple), <u>The Computer Journal</u>, Vol. 21, No. 2, 1978.

85.   "Mathematical Programming Within the Context of a Generalized Data Base Management System" (with R.H. Bonczek and C.W. Holsapple), <u>French Journal of Operations Research</u>, Vol. 12, No. 2, 1978.

86.   "Private Good Clubs and Core" (with J. Sorenson and J. Tschirhart), <u>Journal of Public Economics</u>, 10, 1978.

87.   "A Transformational Grammar-Based Query Processor for Access Control in a Planning System" (with R.H. Bonczek and J.I. Cash), <u>Transaction Data Base Management</u>, January 1978.

88.   "Aiding Decision Makers with a Generalized Data Base Management System" (with R.H. Bonczek and C.W. Holsapple), <u>Decision Science</u>, April 1978.

89.   "A Theory of Pricing Under Decreasing Costs" (with J.R. Sorenson and J.T. Tschirhart), <u>American Economic Review</u>, September 1978.

90.   "Flexible Contracting: Theory and Case Examples" (with Vicente Salas Fumas), <u>European Journal of Operational Research</u>, Vol. 3, 1979.

91.   "The Integration of Data Base Management and Problem Resolution" (with R.H. Bonczek and C.W. Holsapple), <u>Information Systems</u>, Vol. 4, No. 2, 1979.

92.   "Stable Taxation Schemes in Regional Environmental Management" (with S. Rinaldi and R. Soncini-Sessa), <u>Journal of Environmental Economics and Management</u>, 1979.

93.   "Cost Allocation for a Regional Wastewater Treatment System" (with E. Loehman, J. Orlando and J. Tschirhart), <u>Water Resources Research</u>, Vol 15, No. 2, April 1979.

94.   "Computer Based Support of Organizational Decision Making" (with R.H. Bonczek and C.W. Holsapple), <u>Decision Sciences</u>, April 1979.

95.   "Control and Decision Support in Automatic Manufacturing Systems" (with S.Y. Nof and W.I. Bullers), <u>AIIE Transactions</u>, Vol. 12, No. 2, 1980.

96.   "A Formal Model of Problem Solving" (with R.P. McAfee), in <u>International Journal of Policy Analysis and Information Systems</u>, Vol. 4, No. 3, 1980.

97.   "Future Directions for Decision Support" (with R.H. Bonczek and C.W. Holsapple), <u>Decision Science</u>, Vol. 11, No. 4, October 1980.

98.   "Bureaucratic Costs and the Theory of Public Investment" (with J. Herszkowicz), <u>Metroeconomica</u>, Vol. XXXII, October 1980, pp. 181-203.

99.   "Sensitivity Analysis in Leontief Substitution System" (with G. Koehler), <u>Management Science</u>, Vol. 26, No. 12, December 1980.

100.   "Artificial Intelligence in Manufacturing Planning and Control" (with W. Bullers, S. Nof), <u>AIIE Transactions</u>, December 1980.

101.   "A Generalized Decision Support System Using Predicate Calculus and Network Data Base Management" (with R.H. Bonczek and C.W. Holsapple), <u>Operations Research</u>, March-April 1981.

102. "Internal Accounting Controls in the Office of the Future" (with A. Bailey, J. Gerlach, R. McAfee), Special Issue of Office Automation <u>IEEE Computer Journal</u>, May 1981.

103. "An Application of Complexity Theory to the Analysis of Internal Control" (with A.D. Bailey, Jr. and R.P. McAfee), <u>Auditing: A Journal of Practice and Theory</u>, Vol. 1, No. 1, Summer 1981, pp. 38-52.

104. "Optimal Design of A DSS System" (with R.P. McAfee), <u>International Journal of Policy Analysis and Information Systems</u>, Vol. 6, No. 4, 1982.

105. "A Consulting System for Data Base Design" (with C. Holsapple and S. Shen), <u>International Journal Information Systems</u>, Vol. 7, No. 3, March 1982, pp. 281-296.

106. "On Optimal Allocation In A Distributed Processing Environment" (with A. Dutta, G. Koehler), <u>Management Science</u>, Vol. 28, No. 8, August 1982.

107. "Subsidy-Free Welfare Games" (with V. Salas), <u>Southern Economic Journal</u>, Vol. 49, No. 2, October 1982.

108. "An OIS Model for Internal Control Evaluation" (with A. Bailey, J. Gerlach and R. McAfee) presented at the Conference on Office Information Systems, in Philadelphia, PA (sponsored by ACM-SIGOA), <u>ACM Transactions on Office Information Systems</u>, Vol. 1, No. 1, January 1983, pp. 25-44.

109. "On the Application of Parallel Architectures to a Class of Operations Research Problems" (with A. Dutta and H.J. Siegel), <u>French Journal of Operations Research</u>, Vol. 17, No. 4, November 1983, pp. 317-341.

110. "Decision Support in Computer-Integrated Manufacturing" (with S. De and S.Y. Nof), <u>Decision Support Systems</u>, Vol. 1, No. 1, 1985, pp. 37-56.

111. "Management Support Through Artificial Intelligence" (with C. Holsapple), in <u>Human Systems Management</u>, Elsevier Science Publishers, 1985, pp. 163-171.

112. "Natural Language Query Processing in a Temporal Database" (with S. De and S.S. Pan), <u>Data & Knowledge Engineering</u>, Vol. 1, 1985.

113. "TICOM and the Analysis of Internal Controls" (with A.D. Bailey, Jr., G.L. Duke, J. Gerlach, C. Ko, and R. Meservy), <u>The Accounting Review</u>, Vol. LX, No. 2, April 1985.

114. "A Model of Decision-Making with Sequential Information-Acquisition (Part I)" (with J.C. Moore), <u>Decision Support Systems</u>, Vol. 2, No. 4, 1986, pp. 285-307.

115. "A Framework for Integrated Problem Solving in Manufacturing" (with S. De), <u>IEEE Transactions</u>, September 1986, pp. 286-297.

116. "Using Different Economic Data Forms" (with E. Hoffman and J.R. Marsden), <u>The Journal of Behavioral Economics</u>, Vol. XV, Winter 1986, pp. 67-84.

117. "Temporal Semantics and Natural Language Processing in a Decision Support System" (with S. De and S.S. Pan), <u>Information Systems</u>, Vol. 12, No. 1, 1987, pp. 29-47.

118. "A Model of Decision-Making with Sequential Information-Acquisition - Part II" (with J.C. Moore), <u>Decision Support Systems</u>, Vol. 3, No. 1, 1987, pp. 47-72.

119.   "Knowledge-Based Organizations" (with C.W. Holsapple), <u>The Information Society</u>, Vol. 5, 1987, pp. 77-90.

120.   "A Distributed Knowledge-Based Approach to Flexible Automation: The Contract Net Framework" (with M. Shaw), <u>International Journal of Flexible Manufacturing Systems</u>, Vol. 1, No. 1, 1988.

121.   "A Decision Theoretic Approach to File Search" (with J.C. Moore and W.B. Richmond), <u>Computer Science in Economics and Management,</u> Vol. 1, 1988.

122.   "Distributed Decision Making: A Research Agenda" (with C.W. Holsapple), <u>ACM SIGOIS Bulletin</u>, Vol. 9, No. 1, 1988.

123.   "Artificial Intelligence and the Management Science Practitioner: Rational Choice and Artificial Intelligence" (with V.S. Jacob and J.C. Moore), <u>Interfaces</u>, Vol. 18, No. 4, July-August 1988.

124.   "Adapting Expert System Technology to Financial Management" (with C.W. Holsapple and K.Y. Tam), <u>Financial Management</u>, Autumn 1988.

125.   "A Model for an Intelligent Operating System for Executing Image Understanding Tasks on a Reconfigurable Parallel Architecture" (with C. Chu, E. Delp, L.H. Jamieson, H.J. Siegel and F.J. Weil), <u>Journal of Parallel and Distributed Computing</u>, Vol. 6, 1989, pp. 598-622.

126.   "An Analysis of Human and Computer Decision-Making Capabilities" (with V.S. Jacob and J.C. Moore), <u>Information & Management</u>, Vol. 16, 1989, pp. 247-255.

127.   "A Model of Decision Making Involving Two Information Processors" (with V.S. Jacob and J.C. Moore), <u>Computer Science in Economics and Management</u>, Vol. 2, 1989.

128.   128. "The ES for Estimating Capital Requirement" (with Y.D. Tse and X. Yu), <u>Journal of Computer Science and Technology</u>, Vol. 4, No. 4, 1989.

129.   "Knowledge Representation Theory and the Design of Auditable Office Information Systems" (with A.D. Bailey, Jr. and P.T. Zacarias), <u>Journal of Information Systems</u>, Vol. 3, No. 2, Spring 1989.

130.   "An Artificial Intelligence Approach to the Scheduling of Flexible Manufacturing Systems" (with M.J. Shaw), <u>IIE Transactions</u>, Vol. 21, No. 2, June 1989.

131.   "A Computer Charging Mechanism for Revealing User Preferences within a Large Organization" (with R. Pick), <u>Journal of Management Information Systems</u>, June 1989.

132.   "Towards an Adaptive Kanban Approach" (with A. Chaudhury), <u>International Journal of Production Research</u>, Vol. 28, No. 3, 1990.

133.   "A Preference Theory Approach to Decision Analysis in Resource Allocation" (with H.R. Rao and J.C. Moore), <u>Computer Science in Economics and Management</u>, Vol. 3, 1990, pp. 215-237.

134.   "A Skill Refinement Learning Model for Rule-Based Expert Systems" (with P.S. Deng and C.W. Holsapple), <u>IEEE Expert</u>, April 1990.

135. "Optimal Decision Processes and Algorithms" (with J.C. Moore and W.B. Richmond), <u>Journal of Economic Dynamics and Control</u>, Vol. 14, No. 2, May 1990, pp. 375-417.

136. "A Decision-Theoretic Approach to Information Retrieval" (with J.C. Moore and W.B. Richmond), <u>ACM Transactions on Database Systems</u>, Vol. 15, No. 3, September 1990, pp. 311-340.

137. "Organizational Computing: Definitions and Issues" (with L. Applegate, C. Ellis, C.W. Holsapple and F. Radermacher), <u>Journal of Organizational Computing</u>, Vol. 1, No. 1, 1991, pp. 1-10.

138. "Negotiation Support Systems: Roots, Progress and Needs" (with C.W. Holsapple and H. Lai), <u>Journal of Information Systems</u>, Vol. 1, 1991, pp. 233-247.

139. "Information Issues in Model Specification" (with A. Balakrishnan), <u>Information Systems Research</u>, Vol. 2, No. 4, 1991, pp. 263-286.

140. "Solving Complex Problems Via Software Integration" (with K. Watabe and C.W. Holsapple), <u>The Journal of Computer Information Systems</u>, Vol. XXXI, No. 3, Spring 1991.

141. "Issues and Obstacles in the Development of Team Support Systems" (with E. Busch, M. Hamalainen, C.W. Holsapple and Y. Suh), <u>Journal of Organizational Computing</u>, Vol. 1, No. 2, April-June 1991, pp. 161-186.

142. "Information Tradeoffs in Model Building: A Network Routing Application" (with A. Balakrishnan, J.C. Moore and R. Pakath), <u>Computer Science in Economics and Management</u>, Vol. 4, No. 3, August 1991, pp. 201-227.

143. "Design of Interactive Systems--A Formal Approach" (with V. S. Jacob and J.C. Moore), <u>Int. J. Man-Machine Studies</u>, 37, 1992, pp. 23-46.

144. "Generating Structure Editor Interfaces for OR Procedures" (with C.W. Holsapple and S. Park), <u>ZOR Methods and Models of Operations Research</u>, 36, 1992, pp. 295-313.

145. "A Formal Algorithmic Model Compatible with the Conceptual Modeling of Accounting Information Systems" (with A. D. Bailey, Jr., K. S. Han and R. D. Stansifer), <u>Accting., Management & Information Tech.</u>, Vol. 2, No. 2, 1992, pp. 57-76.

146. "Coordinator Support in a *Nemawashi* Decision Process" (with K. Watabe and C.W. Holsapple), <u>Decision Support Systems</u>, Vol. 8, No. 2, April 1992, pp. 85-98.

147. "Reputation, Learning, and Coordination in Distributed Decision-Making Contexts" (with C. Ching and C.W. Holsapple), <u>Organization Science</u>, Vol. 3, No. 2, May 1992, pp. 275-297.

148. "Concensus Based Group Decision Support Method" (with K. Watabe and C.W. Holsapple), Japanese version appeared in <u>Transactions of Information Processing Society of Japan</u>, June 1992, pp. 836-845.

149. "Model Management Issues and Directions" (with A.-M. Chang, C.W. Holsapple), <u>Decision Support Systems</u>, Vol. 9, No. 1, January 1993, pp. 19-37.

150. "The Future of Information: Leadership through Enterprise Integration" (with R. Kalakota), <u>Journal of Information Systems Education</u>, Vol. 5, No. 1, Spring 1993, pp. 2-8.

151.   "Net Based Computational Models of Knowledge Processing Systems" (with A. Chaudhury and D.C. Marinescu), <u>IEEE Expert</u> , Vol. 8, No. 2, April 1993, pp. 79-86.

152.   "Logical Inference on Horn Clauses in Petri Net Models" (with C. Lin, A. Chaudhury and D.C. Marinescu), <u>IEEE Transactions on Knowledge and Data Engineering</u>, Vol. 5, No. 3, June 1993, pp. 416-425.

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155.   "A Distributed Knowledge-Based Approach for Planning and Controlling Projects" (with A.-M. Chang and A.D. Bailey, Jr.), <u>IEEE Transactions on Systems, Man, and Cybernetics</u>, Vol. 23, No. 6, pp. 1537-1550, November/December 1993.

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