

James R. Marsden
Board of Trustees Distinguished Professor
Treibick Family Endowed Chair
Department of Operations and Information Management
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Leadership Responsibilities

Board of Trustees Distinguished Professor (awarded April, 2004 - lifetime designation), Treibick Family Endowed Chair (2004-), Shenkman Family Chair in e-Business (2000-2004), and Head, Department of Operations and Information Management (1993-2008)

Worked to build the department from eight to twenty-five full-time faculty; undergraduate MIS major; undergraduate Management and Engineering for Manufacturing majors (joint program with Engineering dual ABET accreditation in both manufacturing engineering and engineering management plus AACSB school accreditation); Ph. D. program; active department in full-time, professional, and executive MBA programs; department rated **7th** worldwide in ***OR/MS Today*** based on top tier INFORMS journal publishing since 1990; department rated **11th** in ***JAIS*** based on IS publication productivity from 1999 to 2003; rated **#24** (tied) in graduate Information Systems specialty by ***US News & World Report***; rated in Top 25 Techno MBAs by Computerworld; funding obtained for endowed chair, three endowed professorships, one endowed research scholar, endowed MIS Research lab, endowed Treibick Research Center (*TECI*), a large research endowment, and ***edgelab***

MS in Business Analytics and Project Management - Developed initial concept of MS in Business Analytics and Project Management degree – appointed and served with faculty committee to develop program curriculum, course content, and format; engaged business and alumni community; oversaw and helped construct formal proposal; ushered proposal through formal school and university approval; served in support role to usher program proposal through Board of Trustees approval (made presentation) and subsequently through state program approval and certification; served in support role for initial program implantation; continue as active instructor in program and serve actively in applicant review and candidate selection – the ***MSBAPM*** program has rapidly grown; in less than three years, fall, 2014, enrollment expected to be 95+ entering students and nearing 200 overall; ***MSBAPM*** is a certified ***STEM*** program

Executive Director, Connecticut Information Technology Institute (CITI) (1999 - 2009)
member of three person concept development and implementation team (with Vice Chancellor, UConn, and Head, Department of Computer Science and Engineering); member of steering committee; joint university/industry Information Technology initiative that coordinates variety of academic programs, professional development activities, and University/industry partnerships funded by initial endowment pledge of \$6,000,000 in private funds (\$5.2MM currently on hand), \$1.4MM + annually in state funds, and fee-for-service activities; currently have direct oversight responsibility

Executive Director, Treibick Electronic Commerce Initiative (TECI) (2000 - 2008)

developed e-commerce research initiative and obtained endowment
(\$.9MM)

Co-Founder and Co-Developer of "edgelab," an e-Business Think Tank

Partnership with GE Capital - UConn Director of edgelab (2000 - 2009)

9500+ sq.ft **edgelab**, a team developed and implemented center, includes technology rotunda, technology "sandpit", demonstration lab, and collaborative workspace; currently 17 to 25 students on co-ops each semester, four senior GE Capital senior managers in-residence at **edgelab**; 100+ projects completed in first seven years; GE capital providing \$7.5MM for lab build out and initial operating funds; part of team that obtained additional \$2MM from GE to build out two new labs, three high tech classrooms, TV studio, office space, and tech support center.

Executive Director of Centers and Institutes, School of Business (2008-2009)

worked with dean to integrate oversight and restructure operational and financial reporting

Steering Committee, Financial Accelerator (2004-2007)

worked on team designing and implementing the Financial Accelerator; currently participate in student interviews and selection, project identification and selection, and assist in oversight

Academic Team Leader, Department of Defense Contract (1998-2000)

\$1.4 MM, 1998-1999; \$.75MM, 1999-2000
(Defense Leadership and Management Program)

Advisory Board and Steering Committee -

Center for International Business Education and Research (CIBER) (1999-2002)

CIBER (\$.3MM/year) - one of the national CIBER Centers funded by U.S. Department of Education; CIBER grant renewed, 1999-2001; renewed again 2002-2005

Steering Committee, GE Task Force on Post-Baccalaureate Education (1999-2003)

School of Business Administration and School of Engineering;
Funded by \$0.5MM grant from GE Capital to develop and initiate post-baccalaureate degree and non-degree programs

Director, OPIM/SBA Gladstein MIS Research Lab (2002-2004)

Obtained equipment fund and software grants; designed and implemented lab; recently received \$1.625MM to support these activities (\$.5MM for construction and naming of lab in new School of Business building, \$.9MM for endowed research professorship, and \$.225MM endowment for lab support)

SBA Director, Management and Engineering for Manufacturing (MEM) Program (1993-1998)

Joint degree program with School of Engineering; oversaw successful implementation (1994-1995); currently in oversight role

Education

A.B., Economics, University of Illinois, Champaign-Urbana, Illinois, 1967
M.S., Economics, Purdue University, West Lafayette, Indiana, 1970
Ph.D., Economics (Theoretical Econometrics), Purdue University, 1970
J.D., University of Kentucky Law School, Lexington, Kentucky,
May 1991 (Admitted to Kentucky Bar, 1992, and Connecticut Bar,
1993)

Honors

Board of Trustees Distinguished Professor
Phi Beta Kappa
Phi Mu Alpha
Evans Scholar
James Scholar
National Science Foundation Post Doctoral Fellow
Fulbright Foundation Fellow
(declined in order to be Visiting Scholar at University of York, England)
Chancellor's IT Innovation Award - two times (once as individual award, once as team award)
CERC and Connecticut Economic Development Council "Team Connecticut" Program Award
(team award)
CQIA (Connecticut Quality Improvement Association) Silver Award Winner
School of Business Research Excellence Award
School of Business Best Research Paper Award
School of Business Service Award

Areas of Specialization

Innovations in Electronic Markets	Electronic Market Intermediation
Intellectual Property Rights	Legal Issues in e-Business
Quantitative Methods	Econometrics
Digital Goods Markets	Economics of IS/IT

Past Professional Experience

Katholieke Universiteit Leuven (KU-Leuven) November, 2009 - April, 2010
Visiting Professor in the Department of Decision Sciences and Information
Management, Faculty of Business and Economics

University of Arizona
Visiting Scholar, January, 2012 - May, 2012

University of Kentucky July, 1987 – July, 1993
Philip Morris Professor of Management Information Systems
Professor and Chair, Dept. of Decision Sciences and Information
Systems (Founding Department Chair)

Professor, Department of Economics

University of Kentucky

Director, MIS and DSS Research Labs, August, 1988 – July, 1993

Professor of Economics, 1981 - 1993

Business Partnership Foundation Professor of Management

Information Systems, July, 1990 – December, 1990

Ashland Oil Faculty Fellow, 1988 - 1990

Associate Professor of Economics, July, 1974 - June, 1981

University of Arizona

Visiting Scholar, January, 1987 - June, 1987

(Sabbatical Leave from University of Kentucky)

Visiting Professor, January, 1985 - May, 1985

Purdue University Krannert Graduate School of Management

Visiting Associate Professor, August, 1979 - January, 1980

University of York, Institute of Social and Economic Research, York, England Visiting

Scholar, January, 1978 - July, 1978

(Sabbatical Leave from University of Kentucky)

University of Kentucky

Assistant Professor of Economics, August, 1971 - June, 1974

University of North Carolina at Chapel Hill

NSF Postdoctoral Fellow, Department of Economics

August, 1970 - June, 1971

Purdue University

Visiting Assistant Professor, Economics

January, 1970 - June, 1970

Professional Activities

Research Funding Sources include:

National Science Foundation

Department of Defense

Environmental Protection Agency

Electric Power Research Institute

NATO

Office of Water Resources Research

Center for Robotics and Manufacturing Systems

Mathematica

Ashland Oil Company

Departments of Revenue and Energy of the State of Kentucky

National Association of State Racing Commissioners

Equipment and Software Funding Sources include:

Special State Equipment Bond Funding
Private and corporate donations and partnerships
(including **SAS, Microsoft, Oracle, Novell, Ventana**)

Editor-in-Chief, Decision Support Systems, 2013-

Editor, Journal of Organizational Computing and Electronic Commerce, 2002-present

Area Editor (Implementation and Evaluation), Decision Support Systems, 1993-2012 (appointed Editor-in-Chief January, 2013)

Editorial Board, Journal of Management Information Systems, August, 2004-present

Board of Editors, Journal of Information Technology and Management, June, 2005-present

Co-Editor, Special Issue of Management Information Systems Quarterly, Transformational Issues of Big Data and Analytics in the Networked Business (2014 -)

Co-Editor, Special Issue of Decision Support Systems on Recent Advances in Data, Text, and Media Mining (2010)

Co-Editor, Special Issue of Journal of Organizational Computing on Intelligent Organizations, 1992

Invited Keynote Address, TSWIM (Taiwan Summer Workshop on Information Management)

Invited Keynote Address, Asian Conference on Information Systems

Invited Plenary Address China-Taiwan Joint Meetings on IT Research

External Evaluator for Senior Faculty Appointments, *Universiti Pertanian*, Malaysia, 1989 – present (term extended to 2003)

External Evaluator for Senior Faculty Appointments, *Chinese University of Hong Kong*, 2001-present

Reviewer for National Science Foundation: *Information and Technology Division; Decision, Risk, and Management Science Programs; Social Science Division (ongoing)*

Invited Lecturer, *NATO Advanced Study Institutes 1986 (Barga, Italy)*

Invited External Examiner-cum-Assessor - *Universiti Pertanian, (Malaysia), Spring 1988*

Teaching Experience

Undergraduate:

Management Information Systems
Advanced Business Information Systems
Seminar in Advanced Information System Technology
Operations Management
Economics for Engineers
Business Statistics
Mathematical Statistics
Operations Research
Principles of Economics (Micro and Macro)
Intermediate Economics (Micro and Macro)
Environmental Economics

MBA:

Management Information Systems
Decision Support Systems
Management of Information Technology
Economic Policy Issues
Statistics and Quantitative Methods

ExecMBA:

Statistics
Management Information Systems

Ph.D.:

Seminar in MIS Research Problems
Seminar in MIS Research Methodologies
Seminar in MIS/Decision Science Research Methods
Seminar in DSS
Research Methodology (Symbolic Logic; Hypothesis Formulation and Testing)
Mathematical Statistics
Introduction to Econometrics I and II
Econometrics I, II, and advanced seminar

18 Dissertations Directed Or Co-Directed - Economics, Finance, and Management Information Systems (one more scheduled for fall, 2014 defense)

University And College Service

(partial list - University of Kentucky & University of Connecticut)

University Level:

Faculty Senate

University Senate
Senate Budget Committee
Ad Hoc Committee to Set University Selective Admission Standards
Ad Hoc Committee on University Ethics
Ad Hoc Committee to Structure Long Term Financial Exigency Plans
Ad Hoc Committee to Develop Operations Research Program
University Senate Budge Committee
Foreign Student Scholarship Committee
MPA Formation Advisory Committee
Operations Research Program Development Committee
University Computer Selection Committee
Connecticut Information Technology Institute - Development Committee;
Steering Committee, Operating Committee
Academic Information Task Force
Academic Information Task Force, Visioning Subcommittee
Budget Alignment Focus Group
Chancellor's IT Award Selection Committee
University representative on Department of Higher Education's e-Business
Task Force

College Level:

Executive Committee
Operating Committee
Dean's Advisory Council
Steering Committee and Board of Advisors, CIBER
Steering Committee, GE Capital Center for Post Baccalaureate Education
Building Committee(s)
Financial Accelerator Steering Committee
Merit Review Appeals Committee
Promotion and Tenure Committee
DSIS Formation and Implementation
DSIS Curriculum Formation
PHD Review Committee
MBA Policy Committee
EMBA Policy Committee
Graduate Studies Committee
MIS Endowed Chair Search Committee
Cizik Chair Search Committee
Fox Chair Search Committee
Chair, Chairman Search Committee (Economics)
Chair, Technology Planning Committee
Technology Task Force
Undergraduate Coordinator (Economics)
Chair, Recruiting Committee (Economics)
Undergraduate Studies Committee
Ad Hoc Committee on Merit Review
MIS Research Lab -- Proposal Formation, Lab Implementation
DSS Research Lab -- Proposal Formation, Lab Implementation

Research In Progress

Mapping Graduate Business Education to Management Competence - with David Pingry
(working draft)

e-coupon Networks – Survival Models for the Three Layers (with Xue Bai, Gang Wang, and Bill Ross)

Research Papers:

Under Review:

“Who Will Come and Who Will Return? — An Empirical Investigation of Participation and Retention of Business Customers in the Daily Deal”, under review at MIS Quarterly, (with X. Bai, W. Ross, and G. Wang)

Forthcoming or Published:

“Transformational Issues of Big Data and Analytics in the Networked Business, *Management Information Systems Quarterly*, forthcoming. (with R. Bapna, B. Baesens, J. Vanthienen, and J. L. Zhao)

“Relationships among Minimum Requirements, Facebook Likes, Quantity of Coupons Sold, and Total Revenue – The Case of Groupon”, forthcoming, *ACM Transactions on Management Information Systems*, (with X. Bai, W. Ross, and G. Wang)

“Transitions II,” *Decision Support Systems*, Vol.64, Pages 1-3, 2014

“Reliability (or “lack thereof”) of on-line preference revelation: A controlled experimental analysis”, (with Chen, Li and Zhang, Zhongju), In Press, (online June 21, 2013), *Decision Support Systems*, 2013

“Theory and Analysis of Company-Sponsored Value Co-Creation ,” (with Chen, Li and Zhang, Zhongju), *Journal of Management Information Systems* , Vol. 29 No. 2 , Fall 2012 , pp. 141 - 172

“Identifying Influential Domain-Specific Research: Research Network Methods, (with S. Bhattacharjee and H. Singh), *Decision Support Systems*, 52 (1), 217-231 (2011)

- "Digital Goods and Markets: Emerging Issues and Challenges," (with S. Bhattacharjee, R. D. Gopal, and R. Sankaranarayanan), ACM Transactions on Management Information Systems, 2 (2), 8-14 (2011)
- "Information mining — Reflections on recent advancements and the Road Ahead in Data, Text, and Media Mining," (with Gopal, R., and Vanthienen, J.), Decision Support Systems, 51 (4), 727-731 (2011)
- "Design and Use of Preference Markets for Evaluation of Early Stage Technologies," (with L. Chen, P. Goes, and J. Zhang), forthcoming, Journal of Management Information Systems, 26(3) 45-70 (2010)
- "Preference Markets for Innovation Ranking and Selection," (with L. Chen, P. Goes, W. Harris, and J. Zhang), Interfaces, 40(2) (2010)
- "To theme or not to theme: Can theme strength be the music industry's "killer app"?," (with S. Bhattacharjee, R. Gopal, R. Sankaranarayanan, and R. Telang, Decision Support Systems, 48 (1), 141-149 (2009)
- "Re-Tuning the Music Industry – Can They Re-Attain Business Resonance?," (with Sudip Bhattacharjee, Ram D. Gopal, and Ramesh Sankaranarayanan) Communications of the ACM, 52 (6) 136-140 (2009)
- "The Internet and DSS -- Massive, Real-Time Data Availability is Changing the DSS Landscape", Information Systems and e-Business Management, 6(2), 193-203 (2008)
- "The Effect of Digital Sharing Technologies on Music Markets: A Survival Analysis of Albums on Ranking Charts," (with Sudip Bhattacharjee, Ram D. Gopal, Kaveepan Lertwachara, and Rahul Telang), Management Science, 53(9), 359-1374 (2007)
- "P2P File Sharing and Music Chart Lifecycle," (with S. Bhattacharjee, R. Gopal, and K. Lertwachara), International Journal on Human Computer Systems; 65(1): 85-93 (2007)
- "Impact of Legal Threats on Online Music Sharing Activity: An Analysis of Music Industry Legal Actions," , " (with S. Bhattacharjee, R. Gopal, and K. Lertwachara), Journal of Law and Economics, 49, 91-114 (2006)
- "Moving from Data-Constrained to Data-Enabled Research: Experiences and Challenges in Collecting, Validating, and Analyzing Large-Scale E-Commerce Data," (with Ravi Bapna, Paulo Goes, and Ram Gopal, Statistical Science, 21(2), 116-130 (2006)
- "Impact of Online Technologies on Digital Goods: Retailer Pricing and Licensing Models in the Presence of Piracy," (with S. Bhattacharjee, R. Gopal, and K. Lertwachara), Journal of Management Information Systems, 23(1), 129-159 (2006)
- "Decision making Under Time Pressure with Different Information Sources and

Performance-based Financial Incentives"-- Part 3 (with R. Pakath and K. Wibowo), Decision Support Systems, 42(1),186-203 (2006)

"An Actual Data Analysis of Online Music Sharing Activity or Whatever Happened to Payola?," (with S. Bhattacharjee, R. Gopal, and K. Lertwachara), Decision Support Systems, 42(1), 104-120 (2006)

"Heuristics for Selecting Robust Database Structures with Dynamic Query Patterns," (with N.K. Chen, P. Goes, and A. Gupta), European Journal of Operational Research, 166: 200-220 (2006)

"Using P2P Sharing Activity to Improve Business Decision Making: Proof of Concept for Estimating Product Life-Cycle, " (with S. Bhattacharjee, R. Gopal, and K. Lertwachara), Electronic Commerce Research and Applications, 4: 16-20 (2005)

"Digital Signature: Use and Modification to Achieve Success in Next Generational E-Business Processes," (with Y.A. Tung and A. Gupta), Information and Management, 41(5): 561-575 (2004)

"Database Design in the Modern Organization -Identifying Robust Database Structures under Changing Query Patterns and Arrival Rate Conditions," (with N.K. Chen, Paulo Goes, and Alok Gupta), Decision Support Systems, 37: 435-447 (2004)

"Query Mining and Flexible Database Systems: A Database Design Approach for the New Business World," (with N.K. Chen and P. Goes), *forthcoming*, Journal of Management Information Systems, 19(3): 121-154 (2003)

"Controlled Empirical Investigation of Membership Continuity and Change in GDSS Groups," (with S. Mathiyalakan), European Journal of Operational Research, 145(3): 693-712 (2003)

"Decision making Under Time Pressure with Different Information Sources and Performance-Based Financial Incentives - Part I," (with Ram Pakath and K. Wibowo), Decision Support Systems, 34(1): 75-97 (2002)

"Decision making Under Time Pressure with Different Information Sources and Performance-Based Financial Incentives - Part II," (with Ram Pakath and K. Wibowo), Decision Support Systems, 34(1): 99-124 (2002)

"Trading Volumes With and Without Private Information: A Study Using Computerized Market Experiments," (with Y.A. Tung), Journal of Management Information Systems, 17(1): 31-59 (2000)

"The Use of Information System Technology to Develop Tests on Insider Trading and Asymmetric Information," (with Y.A. Tung), Management Science, 45(8):1025-1040 (1999)

"HypEs: An Architecture for Hypermedia-Enabled Expert Systems," (with R. Gopal and Y.A. Tung), Decision Support Systems, 28: 307-321 (1999)

"A Multi Session Comparative Study of Group Size and Group Performance in an Electronic Meeting Environment," (with S. Mathiyalakan), IEEE Transactions on Systems, Man, and Cybernetics, 29(2): 169-185 (1999)

"Test of Market Efficiencies Using Experimental Electronic Markets," (with Y.A. Tung), Journal of Business Research, 41(2): 145-153 (1998)

"Asymmetric Information Analysis: A Laboratory Experimental Analysis," (with Y.A. Tung), European Journal of Operational Research, 99:256-266 (1997)

"An Empirical Investigation into the Relationship Between Performance and Perception of Users With a What-If Facility," (with S. Mathiyalakan), Journal of Organizational Computing and Electronic Commerce 7(4): 305-326 (1997)

"A Methodology and Experimental Shell for Formally Addressing Centralized/Distributed Decision Making Choices," (with S. Kung), Decision Support Systems, 15(1): 45-63 (1995)

"Development and Implementation of a Dispersed Decision Process: An FMS Scheduling Example," (with S. Kung), Computer Integrated Manufacturing Systems, 8(2): 93-104 (1995)

"A Theory of Decision Support System Portfolio Design and Evaluation," (with D. Pingry), Decision Support Systems, 9:183-199 (1993)

"Testing Market Efficiency with Information on Individual Investor Performance," (with T. Stanton and P. Gabriel), International Review of Economics and Finance, 2:149-162 (1993)

"The Design and Use of Laboratory Experiments in DSS Evaluation and Portfolio Selection: Some Initial Results," (with C. Gardner and D. Pingry), Decision Support Systems, 9:369-379 (1993)

"DSS Evaluation: A Comparison of Ex-Ante and Ex-Post Evaluation Methods," (with C. Gardner and D. Pingry), in Recent Developments in Decision Support Systems (C.W. Holsapple and A. Whinston, eds.), Springer-Verlag (Berlin), 325-343 (1993)

"A Reconsideration of Money Left on the Table Measurement - An Analysis of the Impact of Capen, Clapp, and Campbell in OCS Auctions," (with R. Saidi), Applied Financial Economics, 3:231-238 (1993)

- "Number of Bids, Number of Bidders, and Bidding Behavior in Outer Continental Shelf Oil Lease Auctions," (with R. Saidi), European Journal of Operational Research, 58: 335-343 (1992)
- "Intelligent Models of Human Organizations: The State of Art," (with R. Blanning, D. King, and A. Seror), Journal of Organizational Computing, 2(2): 123-130 (1992)
- "Intelligent Models of Economic and Social Systems," (with R. Blanning, D. Pingry, and A. Seror), Cybernetics and Applied Systems, C. Negoita, ed., (Marcel Dekker: New York), 163-172 (1992)
- "Intelligent Information Systems and Organization Structure: An Integrated Design Approach," (with D. Pingry and M.C. Wang), Journal of Organizational Computing, 2(2): 225-242 (1992)
- "Are Joint Bidding and Competitive Common Value Auction Markets Compatible? -- Some Evidence From Offshore Oil Auctions," (with E. Hoffman and R. Saidi), Journal of Environmental Economics and Management, 20(2): 99-112 (1991)
- "An Examination of Market Efficiency in British Racetrack Betting," (with Paul Gabriel), Journal of Political Economy, 98(4): 874-885 (1990)
- "A Strategy for Determining Optimal Domain for Knowledge Based Decision Support Systems," (with D. Pingry and R. St. Louis), European Journal of Operational Research, 48: 342-350 (1990)
- "A Networked Expert System Framework for Economic Policy Analysis," (with V. Jacob), Journal of Economic Dynamics and Control, 14:201-217 (1990)
- "Laboratory Experiments and Computer Simulation: An Introduction to the Use of Experimental and Process Model Data in Economic Analysis," (with E. Hoffman and A. Whinston), Advances in Behavioral Economics, 2: 1-31 (1990)
- "End User-IS Design Professional Interaction -- Information Exchange for Firm Profit or End User Satisfaction?" (with D. Pingry), Information and Management, 14: 75-80 (1988)
- "Expert Systems and Economics Policy Analysis: An Application to OCS Auction Leasing," (with E. Hoffman, V. S. Jacob, and A. Whinston), Computer Science in Economics and Management, 1: 113-135 (1988)
- "Testing the Continuity of Individual Bid Density Functions -- Some Further Results," (with E. Hoffman and R. Saidibaghandomi), Economics Letters, 24(2): 117-120 (1987)

- "Development, Use, and Verification of Expert Systems in Modeling Micro-economic Systems," (with E. Hoffman, V.S. Jacob and A. Whinston), Decision Support Systems: Theory and Application, Berlin, Springer-Verlag, 411-428 (1987)
- "Technology Transfer: Measuring the Impact of Organizational and Managerial Structure on Production Efficiency," (with V. Salas-Fumas and A. Whinston), in L. Pasinetti and P. Lloyd, eds., Structural Change, Economic Interdependence, and World Development (Vol. 3 -- Structural Change and Adjustment in the World Economy), International Economic Association and Macmillan Press, London, 47-73 (1987)
- "Engineering Production Functions and the Testing of Quantitative Economic Hypothesis," (with D. Pingry), Economica, 53: 553-554 (1986)
- "Empirical Evidence on Competitive Bidding - Some Surprising Results," (with E. Hoffman), Economics Letters, 22: 15-21 (1986)
- "Testing the Informational Assumptions in Common Value Bidding Models," (with E. Hoffman), Scandinavian Journal of Economics, 88(4): 627-641 (1986)
- "Using Different Economic Data Forms," (with E. Hoffman and A. Whinston), Journal of Behavioral Economics, 15: 67-84 (1986)
- "Generating An Optimal Information System: PMAX-SDLC and the Redirection of MIS Research," (with D. Pingry), Journal of Management Information Systems, 3(1): 32-51 (1986)
- "Artificial Intelligence in Economics -- Expert Systems Modeling of Micro-economic Systems," (with E. Hoffman, V. S. Jacob and A. Whinston), Artificial Intelligence in Economics and Management, P.S. Pau, ed., North-Holland, 1-9 (1986)
- "Generalized Mass Balance: An Interdisciplinary Approach," (with D. Pingry and A. Whinston), in Environmental Policy: Vol. 3, Water Quality, Tolley, Yaron, and Blomquist, eds., Ballinger Publishing Co., 61-74 (1983)
- "Point Estimation and Process Models - The Spline Function Alternative," (with R. Bever and A. Whinston), International Journal on Policy and Information, 6(1): 85-100 (1982)
- "Process Model Specification and the Provision of Summary Information," (with R. Bever, V. Salas-Fumas, and A. Whinston), Advances in Applied Microeconomics, 3: 43-69 (1982)

"The Demand to Initiate Medical Care: A Morbidity Specific Analysis," (with David R. Lairson and Joseph Krislov), Journal of Statistical Planning and Inference, 4(1): 99-113 (1980)

"Duplicating Moody's Municipal Credit Ratings," (with J. Richard Aronson), Public Finance Quarterly, 8(1): 97-106 (1980)

"An Empirical Analysis of Continuing Medical Care Utilization in a Health Maintenance Organization," (with David R. Lairson and Joseph Krislov), Social Science and Medicine, 13C(3): 161-170 (1979)

"Environmental Data Analysis -- The Identification of Outliers," (with D. Pingry and A. Whinston), Journal of Environmental Economics and Management, 3: 154-163 (1976)

"The Large Scale, Regional Plant Hypothesis -- Discriminant Analysis," (with D. Pingry and A. Whinston), Water Resources Research, 11(6): 1013-1017 (1975)

"Engineering Foundations of Production Functions," (with D. Pingry and A. Whinston), Journal of Economic Theory, 9(2): 124-140 (1974)

"Process Analysis: A Comment," (with D. Pingry and A. Whinston), American Economic Review, 64(4): 773-776 (1974)

"An Investment Planning System for Waste Load Allocation," (with D. Pingry and A. Whinston), Modeling and Simulation, 5: 319-323 (1974)

"Regression Analysis Applied to the Wastewater Treatment Field," (with D. Pingry and A. Whinston), Journal of Water Pollution Control Federation, 45(10): 2104-2109 (1973)

"Economics: Useful Social Tool or Bad Magic?", Journal of Popular Culture, 6(4): 739-746 (1973)

"Application of Nonlinear Programming to Water Quality Control," (with D. Pingry and A. Whinston), Water, Air, and Soil Pollution, 2: 155-169 (1973)

"Production Function Theory and the Optimal Design of Waste Treatment Facilities," (with D. Pingry and A. Whinston), Applied Economics, 4: 279-290 (1972)

Monograph

"Verifying the Usefulness of Process Models Applied to Forecasting," (with R. Bever, V. Salas-Fumas and A. Whinston), Electric Power Research Institute, (June, 1982)