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John F. Connelly Chair in Management
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rev. 1/29/12

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PERSONAL: Date of Birth: June 23, 1950
Marital Status: Married, three children

EDUCATION: Ph.D., Operations Research, 1976
The Wharton School, University of Pennsylvania
Dissertation Title: "A Stochastic Lead Time Inventory Model"

M.S., Operations Research, 1973
The Wharton School, University of Pennsylvania
Master's Project: "Recycling and Other Newspaper Disposal Alternatives"
Performed in cooperation with the Mayor's Science and Technology Advisory Council
(Philadelphia)

B.A., Mathematics, 1972
College of Arts and Sciences, University of Pennsylvania
Cum Laude with Distinction in Mathematics

Special Seminars
Louis Allen Management Development (1976)
AMA Financial Management of R&D (1978)

POSITIONS:

Sept. 1983 - Present	Villanova University, Villanova School of Business
	John F. Connelly Chair in Management 1999 – present
	Director, Center for Business Analytics 2010 – present
	Professor, Department of Management and Operations 1990 - present
	Director, Analytics Strategic Initiative Group 2007 - 2010
	Associate Dean 1996 - 1999
	Chairperson, Department of Management 1989 - 1995
	Associate Professor 1985 - 1990
	Assistant Professor 1983 - 1985
Jan. 1994- July 1994	Centre de Gestion Scientifique (Center for Scientific Management), Ecole Nationale Supérieure des Mines de Paris Visiting Researcher Sponsored by French Ministry of Science and Technology
Sept. 1980- Aug. 1983	Temple University, Philadelphia, Pennsylvania Assistant Professor of Management

May 1976- Aug. 1980	FMC Corporation Manager, R&D Planning and Evaluation, 1978 - 1980 Princeton, New Jersey
	Manager, Operations Research, 1976 - 1978 Philadelphia, Pennsylvania
June 1974- Apr. 1976	RCA Corporation, Princeton, New Jersey Operations Research Analyst RCA - University of PA Operations Research Intern
Sept. 1972- May 1974	Management and Behavioral Science Center, University of Pennsylvania Management Research Analyst

PROFESSIONAL SOCIETIES:

Board of Directors, Northeast Decision Sciences Institute, 2011 - present
 Vice Chairman, College on Research and Development, The Institute of Management Sciences, 1988-1991
 Philadelphia Joint Chapter, The Institute of Management Sciences/Operations Research Society of America
 Program Chairman, 1977-78
 President-Elect/Vice President, 1981-82
 President, 1982-83
 Past President, 1983-84

Delaware Valley Chapter, Project Management Institute
 Member, Program Committee, 1986-87
 Chairman, Scholarship Committee, 1987-1989

Road Race Director, Joint ORSA/TIMS Meeting, Philadelphia, October, 1990

Editorial Board, *American Journal of Mathematical and Management Sciences*, 1986-present.
 Editorial Board, *IEEE Transactions on Engineering Management*, 2002 – present.
 Editorial Board, *Computers and Operations Research*, 2004 - present
 Area editor, production and operations management, *Interfaces*, 1991-1999; editor-at-large, 1990-1991.
 Editorial Board, *Entrepreneurship: Theory and Practice*, 1990-1995.
 Member, The Institute for Operations Research and the Management Sciences (INFORMS),
 Decision Sciences Institute, Project Management Institute

AWARDS:

Certificate of Merit, Institute of Management Accountants, 2007
 Father Judge High School Hall of Fame, 2001
 John Tonkinson Teaching Innovation Award, 1999
 Villanova University Outstanding Faculty Scholar, 1992
 Villanova University Faculty Summer Research Awards, 1985 and 1996
 Villanova College of Commerce and Finance Research Awards, 1984, 1986, 1988, 1990, 1992
 Certificate of Merit, *Management Accounting*, 1990-1991
 "Paper of the Year" in *R&D Management*, 1983
 RCA - Univ. of PA. Operations Research Intern, 1974-1976
 Mayor's Scholar, University of Pennsylvania, 1968-72

HONOR SOCIETIES:

Beta Gamma Sigma, Business Honor Society
Sigma Xi, Scientific Honor Society
Phi Kappa Phi

COURSES TAUGHT:

Strategic Data Mining (MBA)
Introduction to Business Analytics (BS)
Supply Chain Management (MBA)
Decision Technology for Business Application (MBA)
Operations and Supply Chain Management (MBA)
Operations Management (BS)
Project Management (MBA, EMBA)
Production and Inventory Management (BS and MBA)
Quantitative Methods (MBA)
Applied Management Science (MBA)
Introduction to Statistics (BS and MBA)
R&D Management (MBA)
Introduction to Decision Sciences (BS)

THESIS SERVICE:

Served as an external member on an M.S. and a Ph.D. committee for the Department of Decision Sciences at the University of Pennsylvania
Supervised three M.S. projects for the National Technological University
Served as an expert for a Ph.D. in Engineering Management at Portland State University

UNIVERSITY SERVICE:

Member, Undergraduate Curriculum Quantitative Task Force, 2010 - present
Member, Villanova School of Business Strategic Planning Steering Committee, 2007 - present
Member, Graduate Curriculum Committee, 2007- 2008, 2010
Member, Undergraduate IT course design committee, 2008 - 2009
Member, University Strategic Planning Steering Committee, 2007 - 2008
Member, University Rank and Tenure Committee, 2003 – 2010
Member, University Outstanding Faculty Researcher Selection Committee, 2005 – present
Coordinator, Undergraduate Operations Management Course, 2004 - present
Member, Undergraduate Curriculum Implementation Committee, 2007-2008
Member, VSB endowed chair search committee, 2006 - 2007
Member, College Rank and Tenure Committee, 2000 – 2003
College Research & Sabbaticals Committee, Chair, 1999 – 2001, 2003 - 2006; member, 1983 – 1989
Member, University Summer Research Fellowship Evaluation Committee, 1999 – 2001, 2003 - 2006
Member, EMBA Steering Committee, 2001 – 2002
Chair, Fred S. Springer Endowed Chair Search Committee, 2002
Member, University CIO Search Committee, 2001
Chair, Middle States Task Force on Institutional Change and Renewal, 1998 – 2001
Chair, MBA Systems Committee, 1997 – 1999
Chair, Freshmen Computer Notebook Initiative, 1997 – 1999
Member, University (UCIT) and Academic (ACIT) Information Technology Committees, 1997 – 1999
Member, University Classroom Committee, 1998 - 1999
Member, College Facilities Committee, 1996 - 1999
Chair, College Technology Planning Committee, 1998 - 1999

University ad hoc Strategic Planning Review Committee, 1995 - 1997
College Dean's Search Committee, 1994 - 1995
University Information Technology Steering Council, 1992 - 1994
College Undergraduate and Graduate Curriculum and Academic Standing Committees, 1989 - 1997
College Computer Committee, 1986 - 1995
Chairman, College Who's Who Committee, 1991-92
Chairman, AACSB Educational Innovation and Technology Committee, 1983 - 84
Faculty advisor and founder, Villanova Chapter, American Production and Inventory Control Society, 1985 - 1991
Faculty advisor, Operations Management Society, 1983 - 85
Chaired numerous faculty/administrator search and other departmental and college committees

CONSULTING EXPERIENCE AND SEMINARS:

Served as a special advisor to the American Productivity and Quality Center (APQC) on a study about best practices in process management and analytics
Provided consulting services for Thomas Jefferson University on methods of informed patient decision making
Developed a product sourcing and shipment model for Mannington Mills
Conducted an operations process analysis for iMedium, an e-commerce startup
Designed, developed and implemented a series of knowledge-based decision support systems for new product evaluation for Armstrong World Industries flooring products
Developed an R&D Strategic Plan for a major chemical operation within FMC Corporation
Performed a decision/risk analysis for a large capital investment based on new manufacturing technology for FMC Corporation.
Provided consulting services for small startup businesses through the U.S. Small Business Administration
Conducted a study to improve information systems design for Lockheed Corporation
Evaluated a mathematical production-planning model for Campbell Soup Corporation
Conducted a review and analysis of R&D planning procedures and practices American Cyanamid Corporation
Participated in the development of an integrated production planning system for American Olean Tile Corporation
Conducted an extensive set of seminars in management science and production planning for Campbell Soup Corp., Camden, NJ
Conducted project management seminars for a variety of organizations, including: BMY Div. of Harsco Corp., York, PA; DuPont (Mexico), Mexico City, Mexico; St. Onge-Ruff Planners-Engineers, York, PA; Finance America Corp., Allentown, PA; Commonwealth Telephone, Wilkes-Barre, PA

GRANTS RECEIVED:

Co-principal investigator, "Factors to Support Effective Discharge Decision Making," (K. Bowles, principal investigator), funded by Department of Health and Human Services, the National Institutes of Health (NIH), National Institute of Nursing Research, RO1 NR07674-01, September 15, 2001– August 31, 2005, \$842,912, Villanova subcontract: \$111,953

Consultant, "Prostate Cancer Screening," (R. E. Myers, principal investigator), funded by U.S. Department of Defense USAMRMC (DAMD17-98-1-8641), 1999 – 2001, \$250,000

Consultant, "Prostate Cancer Screening in the African-American Community," (R. E. Myers, principal investigator), The Quality Care Research Fund, Aetna Foundation, 1999-2001, \$250,000

Principal investigator, "Applying Expert Systems to Shorten the Product Development Cycle," funded by the National Science Foundation through the Center for Innovation Management Studies, Lehigh University, January 1990 – December 1991, \$50,000

Principal investigator, "A Process Analysis of Industrial R&D Planning," jointly funded by National Science Foundation and the Center for Innovation Management Studies, Lehigh University, 1985, \$27,000

Principal investigator, "A Dynamic Production Scheduling System for the Process Industries," supported by IBM Corporation, 1985, \$3000 plus computer support

PUBLICATIONS:

BOOKS

Liberatore, M., and Nydick, R., *Decision Technology: Modeling, Software, and Applications*, John Wiley & Sons, New York, 2003, ISBN 0-471-41712-2.

Liberatore, M., and Nydick, R., *Decision Technology: Modeling, Software, and Applications*, Preliminary Edition, Wiley Custom Services, 2002, ISBN 0-471-22683-1.

Liberatore, M., and Nydick, R., *Decision Technology for Business Application*, The McGraw-Hill Companies, Inc., Primus Custom Publishing, 1998, ISBN 0-07-229213-X

Nydick, R., and Liberatore, M., *Applied Decision Support Systems*, The McGraw-Hill Companies, Inc., Primus Custom Publishing, 1997 ISBN 0-07-229214-8

Liberatore, M., and Nydick, R., *Applied Management Science*, The McGraw-Hill Companies, Inc., Primus Custom Publishing, 1997, ISBN 0-07-561110-4

Liberatore, M., and Nydick, R., *Operations Management Notebook*, The McGraw-Hill Companies, Inc., Primus Custom Publishing, 1997, ISBN 0-07-292541-8.

Liberatore, M., Nydick, R., and Wolek, F., *Operations Management: A Decision Making Approach*, Kendall/Hunt Publishing Company, 1996, ISBN 0-7872-2850-8.

Liberatore, M. (ed.), *Selection and Evaluation of Advanced Manufacturing Technologies*, Springer-Verlag, Berlin, West Germany, 1990 ISBN 3-540-52656-0, ISBN 0-387-52656-0.

CHAPTERS

Liberatore, M., and R. Nydick, "An Analytic Hierarchy Process Approach for Evaluating Product Formulations," *Computer-Aided Formulation: A Manual for Implementation*, A. Bohl (ed.), 1990, 179-196.

Liberatore, M., G. Titus, and B. Dean, "Integration of R&D into Corporate Planning at Goodyear Aerospace Corporation," *Strategic Management: Concepts and Cases*, B. Dean and J. Cassidy (eds.), Elsevier/North Holland Publishers, 1990, 141-160.

Liberatore, M. and G. Titus, "A Comparison of Strategic Planning Processes in U.S. Industrial Corporations," *Strategic Management: Concepts and Cases*, B. Dean and J. Cassidy (eds.), Elsevier/North Holland Publishers, 1990,

111-124. Selected for translation and publication in a Japanese edition

Liberatore, M., "A Decision Support Approach for R&D Project Selection," *The Analytic Hierarchy Process: Applications and Studies*, B. Golden, E. Wasil and P. Harker (eds.), Springer-Verlag, Berlin, 1989, 82-100.

Liberatore, M. and G. Titus, "Multi-Project Management: A Case Study of a Voice-Activated Decision Support System," in *Project Management: Methods and Studies*, B. Dean (ed.), North-Holland Publishing Company, Amsterdam, 1985, 253-60.

JOURNAL ARTICLES

Liberatore, M., "Six Sigma in Healthcare Delivery," accepted for publication in *International Journal of Healthcare Quality Assurance*.

Liberatore, M., and Luo, W., "INFORMS and the Analytics Movement: The View of the Membership," *Interfaces*, Vol. 41, No 6 (November-December 2011), 578 – 589.

Miller, T., and Liberatore, M., "A Practical Framework for Supply Chain Planning," *Supply Chain Management Review*, Vol. 15, No. 2 (March – April 2011), 38 - 44.

Liberatore, M., and Luo, W., "The Analytics Movement: Implications for Operations Research," *Interfaces*, Vol. 40, No. 4 (July-August 2010), 313 - 324.

Coghlan, T., Diehl, G., Karson, E., Liberatore, M., Luo, W., Nydick, R., Pollack-Johnson, B., and Wagner, W., "The Current State of Analytics in the Corporation: The View from Industry Leaders," *International Journal of Business Intelligence Research*, Vol. 1, No. 2 (2010), 1 - 8.

Liberatore, M., and Luo, W. "Coordination in Consultant-Assisted IS Projects: An Agency Theory Perspective," *IEEE Transactions on Engineering Management*, Vol. 57, No. 2 (May 2010), 255 – 269.

Luo, W., and Liberatore, M., "Achieving IT Consultant Objectives Through Client Project Success," *Information & Management*, Vol. 46, No. 5 (June 2009), 259 -- 266.

Liberatore, M., Nydick, R., Daskalakis, C., Kunkel, E., Cocroft, J, and Myers, R., "Helping Men Decide About Scheduling a Prostate Cancer Screening Exam," *Interfaces*, Vol. 39, No. 3 (May-June 2009), 209 -- 217.

Bowles, K. H., Holmes, J. H., Ratcliffe, S., Liberatore, M., Nydick, R., and Naylor, M. D., "Factors Identified by Experts to Support Discharge Referral Decision Making," *Nursing Research*, Vol. 58, No. 2 (2009), 115 – 122.

Liberatore, M., "Critical Path Analysis with Fuzzy Activity Times," *IEEE Transactions on Engineering Management*, Vol. 55, No. 2 (May 2008), 329 - 337.

Bowles, K, Ratcliffe, S, Holmes, J, Liberatore, M, Nydick, R, and Naylor, M., "Post-Acute Referral Decisions Made by Multidisciplinary Experts Compared to Hospital Clinicians and the Patients' 12-Week Outcomes," *Medical Care*, Vol. 46, No. 2 (2008), 158 - 166.

Liberatore, M., and Nydick, R., "The Analytic Hierarchy Process in Medical and Health Care Decision Making: A Literature Review," *European Journal of Operational Research*, Vol. 189 (2008), 194 – 207.

- Liberatore, M., "A Latin Hypercube Sampling Approach for Fuzzy Critical Path Analysis," *International Journal of Operations and Quantitative Management*, Vol. 13, No. 4 (December 2007), 235 – 250.
- Liberatore, M., Stout, D., and Robbins, J., "Key Project Management (PM) Concepts for Accountants," *Management Accounting Quarterly*, Vol. 8, No. 2 (Winter 2007), 15 – 23. Awarded a Certificate of Merit, Institute of Management Accountants, 2007
- Wright, P., Liberatore, M., and Nydick, R., "A Survey of Operations Research Models in Homeland Security," *Interfaces*, Vol. 36, No. 6 (November-December 2006), 514 – 529.
- Pollack-Johnson, B., and Liberatore, M., "Incorporating Quality Considerations into Project Time/Cost Trade-off Analysis and Decision Making," *IEEE Transactions on Engineering Management*, Vol. 53, No. 4 (November 2006), 534 – 542.
- Liberatore, M., and Pollack-Johnson, B. "Extending Project Time – Cost Analysis by Removing Precedence Relationships and Task Streaming," *International Journal of Project Management*, Vol. 24, No. 6 (August 2006), 529 – 535.
- Najdawi, M., and Liberatore, M. "Determination of Optimal Safety Stock Policies," *Studies in Business and Economics*, Vol. 12, No. 1 (March 2006), 25 – 34.
- Myers, R., Daskalakis, C., Cocroft, J., Kunkel, E., Delmoor, E., Liberatore, M., Nydick, R., Brown, E., Gay, R., Powell, T., and Powell, R., "Preparing African American Men in Community Primary Care Practices to Decide Whether or Not to Have Prostate Cancer Screening," *Journal of the National Medical Association*, Vol. 97, No. 8 (August 2005), 1143-1154.
- Pollack-Johnson, B., and Liberatore, M., "Project Planning under Uncertainty Using Scenario Analysis," *Project Management Journal*, Vol. 36, No. 1 (March 2005), 15 – 26.
- Stout, D. E., West, R. N., and Liberatore, M., "Project Management: A Core Competency in Managerial Accounting Education," *Management Accounting Quarterly*, Vol. 5, No. 4 (Summer 2004), 53-61.
- Liberatore, M., and Nydick, R., "Wash Criteria and the Analytic Hierarchy Process," *Computers and Operations Research*, Vol. 31, No. 6 (May 2004), 889-892.
- Luo, W., Liberatore, M., Nydick, R., Chung, Q, and Sloane, E., "Impact of Process Change on Customer Perception of Waiting Time: A Field Study," *Omega*, Vol. 32, No. 1 (February 2004), 77-83.
- Liberatore, M., and Pollack-Johnson, B., "Factors Influencing the Usage and Selection of Project Management Software," *IEEE Transactions on Engineering Management*, Vol. 30, No. 2 (May 2003), 164-174.
- Liberatore, M., Myers, R., Nydick, R., Steinberg, M., Brown, E., Gay, R., Powell, T., Powell R., "Decision Counseling for Men Considering Prostate Cancer Screening," *Computers and Operations Research*, Vol. 30, No. 10 (September 2003), 1421-1434.
- Sloane, E., Liberatore, M., Nydick, R., Luo, W., and Chung, Q, "Using the Analytic Hierarchy Process as a Clinical Engineering Tool to Facilitate Iterative Multidisciplinary Health Technology Assessments," *Computers and Operations Research*, Vol. 30, No. 10 (September 2003), 1447-1465.
- Liberatore, M., "Project Schedule Uncertainty Analysis Using Fuzzy Logic," *Project Management Journal*, Vol. 33,

No. 4, (December 2002), 15-22.

Nydick, R., Liberatore, M., and Chung, Q, "Modeling by Elaboration: An Application to Visual Process Simulation," *INFOR (Information Systems and Operational Research)*, Vol. 40, No. 4 (November 2002), 347-361.

Sloane, E., Liberatore, M., and Nydick, R., "Medical Decision Support Using the Analytic Hierarchy Process," *Journal of Healthcare Information Management*, Vol. 16, No. 3 (Fall 2002), pp. 38-43.

Liberatore, M., Pollack-Johnson, B., and Smith, C., "Project Management Software Use and Research Directions in the Construction Industry," *Journal of Construction Engineering and Management*, Vol. 127, No. 2 (March-April 2001), pp. 101-107.

Liberatore, M., Hatchuel, A., Weil, B., and Stylianou, A., "An Organizational Change Perspective on the Value of Modeling," *European Journal of Operational Research*, Vol. 125 (2000), pp. 184-194.

Liberatore, M., and Nydick, R., "Breaking the Mold: A New Approach for Teaching the First MBA Management Science Course," *Interfaces*, Vol. 29, No. 4 (July-August 1999), pp. 96-116.

Liberatore, M., and Miller, T., "A Framework for Integrating Activity Based Costing and the Balanced Scorecard Into the Logistics Strategy Development and Monitoring Process," *Journal of Business Logistics*, Vol. 19, No. 2 (1998), pp. 131-154.

Pollack-Johnson, B., and Liberatore, M., "Project Management Software Usage Patterns and Suggested Research Directions for Future Developments," *Project Management Journal*, Vol. 29, No. 2 (June 1998), 19-28.

Liberatore, M., Monahan, T., and Tymon, W., "Linking a Balanced Scorecard to Strategy," *Corporate Controller*, Vol. 1, No. 1 (Winter 1997), 24-29.

Liberatore, M., and Breem, D., "Adoption and Implementation of Digital Imaging Technology in the Banking and Insurance Industries," *IEEE Transactions on Engineering Management*, Vol. 44, No. 4 (November 1997), 367-377.

Liberatore, M., and Nydick, R., "Group Decision Making in Higher Education Using the Analytic Hierarchy Process," *Research in Higher Education*, Vol. 38, No. 5 (October 1997), 593-614.

Weingarten, M., Ehrlich, F., Nydick, R., and Liberatore, M., "The Selection of Categorical Surgical Residents Using the Analytic Hierarchy Process," *Academic Medicine*, Vol. 72, No. 5 (May 1997), 400-402.

Liberatore, M., "Automation, AI and OR: In Search of the Synergy and Publication Priorities," *European Journal of Operational Research*, Vol. 99, 1997, 248-255.

El-Najdawi, M., and Liberatore, M., "Matrix Management Effectiveness: An Update for Research and Engineering Organizations," *Project Management Journal*, Vol. 28, No. 1 (March 1997), 25 - 31.

Liberatore, M., Nydick, R., and Stout, D., "Production Planning through Application of Spreadsheet Software," *The Small Business Controller* (Summer 1996), 27-36.

Miller, T., and Liberatore, M., "Combining Cost and Qualitative Data to Determine Carrier and Modal Choice Decisions," *Distribution*, Vol. 95, No.2 (February 1996), 24-28.

Liberatore, M., and Stylianou, A., "Expert Support Systems for New Product Development Decision Making: Modeling Framework and Applications," *Management Science*, Vol. 41 No. 2 (August 1995), 1296-1316.

Liberatore, M., and Miller, T., "A Decision Support Approach for Transport Carrier and Mode Selection," *Journal of Business Logistics*, Vol. 16, No. 2 (1995), 85-115.

Liberatore, M., and Stylianou, A., "Towards a Framework for Developing Knowledge-Based Decision Support Systems for Customer Satisfaction Assessment: An Application in New Product Development," *Expert Systems with Applications* Vol. 8 No. 1 (1995), 213-228

Bohl, A., Liberatore, M., and Nydick, R., "A Tale of Two Goats... and a Car, or the Importance of Assumptions in Problem Solution," *Journal of Recreational Mathematics*, Vol. 27, No. 1, (1995), 1-9.

Liberatore, M., and Stylianou, A., "Using Knowledge-Based Systems for Strategic Market Assessment," *Information & Management*, Vol. 27 (1994), 221-232.

Liberatore, M., and Miller, T., "Seasonal Exponential Smoothing with Damped Trends: An Application for Production Planning," *International Journal of Forecasting*, Vol. 9 (1993), 509-515.

Miller, T., and Liberatore, M., "Evaluating Strategic Capacity Decisions Using a Hierarchical Production Planning System," *Industrial Management and Data Systems*, Vol. 93, No. 9 (1993), 29-34.

Liberatore, M., and Stylianou, A., "The Development Manager's Advisory System: A Knowledge-Based DSS Tool for Project Assessment," *Decision Sciences*, Vol. 24, No. 5 (September/October 1993), 953-976.

Liberatore, M., Monahan, T., and Stout, D., "Strategic Capital Budgeting for Investments in Advanced Manufacturing Technology," *Journal of Financial and Strategic Decisions*, Vol. 6, No. 2 (Summer 1993), 55-72.

Liberatore, M., Monahan, T., and Stout, D., "A Framework for Integrating Capital Budgeting Analysis with Strategy," *The Engineering Economist*, Vol. 38, No. 1 (Fall 1992), 31-43.

Liberatore, M., Nydick, R., and Sanchez, P., "The Evaluation of Research Papers (Or How to Get an Academic Committee to Agree on Something)", *Interfaces*, Vol. 22, No. 2 (March-April 1992), 92-100.

Guignard, M., and Liberatore, M., "Applying a Modified Coefficient Reduction Method to a Dynamic Production Scheduling Problem," *European Journal of Operational Research*, Vol. 56 (1992), 119-130.

Titus, G., and Liberatore, M., "Auditing R&D Planning," *IEEE Transactions on Engineering Management*, Vol. 38, No. 2, (May 1991), 171-177.

Stout, D., Liberatore, M., and Monahan, T., "Decision Support Software for Capital Budgeting," *Management Accounting*, Vol. LXXIII, No.1, (July 1991), 50-53.

Liberatore, M., Monahan, T., and Stout, D., "Decision Support for Capital Budgeting: A Model for Classroom Presentation," *Journal of Accounting Education*, Vol. 8, (1991), 225-239.

Liberatore, M., Titus, G., and Varano, M., "Modeling the Adoption of Advanced Manufacturing Technology by Small Firms," *International Small Business Journal*, Vol. 8, No. 2 (1989), 48-57.

- Liberatore, M., Titus, G., Varano, M., and Dixon, P., "An Experimental Investigation of the Effects of Some Information System Design Variables on Performance, Preference and Learning," *Information Processing and Management*, Vol. 25, No. 5 (1989), 563-577.
- Liberatore, M., and Titus, G., "The R&D Planning - Business Strategy Connection," *Journal of the Society of Research Administrators*, Vol. XX, No. 4 (Spring 1989), 17-26.
- Liberatore, M., and Miller, T., "Production and Distribution Planning in a Process Firm," *Production and Inventory Management*, Vol. 30, No. 1 (First Quarter 1989), 44-48.
- Liberatore, M., Titus, G., and Dixon, P., "The Effects of Display Formats on Information Systems Design," *Journal of Management Information Systems*, Vol. 5, No. 3 (Winter 1988/89), 85-99.
- Liberatore, M., "A Decision Support System Linking R&D Project Selection with Business Strategy," *Project Management Journal*, Vol. 19, No. 5 (November 1988), 14-21.
- Liberatore, M., "An Expert Support System for R&D Project Selection," *Mathematical and Computer Modeling*, Vol. 11 (1988), 260-265.
- Liberatore, M., and Miller, T., "Implementing Integrated Production and Distribution Planning Systems," *International Journal of Operations & Production Management*, Vol. 8, No. 7 (1988), 31-41.
- Liberatore, M., "An Extension of the Analytic Hierarchy Process for Industrial R&D Project Selection and Resource Allocation," *IEEE Transactions on Engineering Management*, Vol. 34, No. 1 (February 1987), 12-18.
- Liberatore, M., and Titus, G., "Managing Industrial R&D Projects: Current Practice and Future Directions," *Journal of the Society of Research Administrators*, Volume XVIII, No. 1 (Summer 1986), 5-12.
- Liberatore, M., Titus, G., and Naber, L., "Microcomputer Systems for Manufacturing Planning and Control," *Computers and Operations Research*, Vol. 13, No. 2/3 (1986), 261-75.
- Liberatore, M., and Titus, G., "The Usage of Computer-Controlled Tools by Small Owner-Operated Machine Shops," *Journal of Small Business Management*, Vol. 24, No. 1 (January 1986), 55-62.
- Liberatore, M., "R&D Project Selection," *Telematics and Informatics*, Vol. 3, No. 4 (1986), 289-300.
- Liberatore, M., and Miller, T., "A Hierarchical Production Planning System," with T. Miller, *Interfaces* (cover article), Vol. 15, No. 4, July - August 1985, 1-11. Reprinted in *Excellence in Management Science Practice - A Readings Book*, A. Assad, E. Wasil, and G. Lilien (eds.), Prentice-Hall, 1991
- Liberatore, M., and O'Neill, J., "Planning a Successful Robotics Implementation," *Journal of Operations Management*, Vol. 5, May 1985, 247-57.
- Liberatore, M., "A Dynamic Production Planning and Scheduling Algorithm for Two Products Processed on One Line," *European Journal of Operational Research*, Vol. 17, No. 3, September 1984, 351-60.
- Liberatore, M., and Titus, G., "Synthesizing R&D Planning and Business Strategy: Some Preliminary Findings," *R&D Management*, Vol. 13, No. 4, October 1983, 207-18.
- Liberatore, M., and Titus, G., "The Practice of Management Science in R&D Project Management," *Management*

Science, Vol. 29, No. 8 (August 1983), 962-974.

Liberatore, M., "On the Rule of 72," *Journal of Recreational Mathematics*, Vol. 13, No. 2, 1980-81, 108-10.

Liberatore, M., "An Incremental Approach for Industrial R&D Project Planning and Budgeting," *Research Management*, Vol. 24, No. 2 (March 1981), 17-20.

Liberatore, M., "A Freight Transport Selection Model," *Transportation Journal*, Vol. 18, No. 4 (Summer 1979), 92-100.

Golden, B., Liberatore, M., and Lieberman, C., "Models and Solution Techniques for Cash Flow Management," *Computers and Operations Research*, Vol. 6 (1979), 13-20.

Liberatore, M., "The EOQ Model Under Stochastic Lead Time," *Operations Research*, Vol. 27, No. 2 (March-April 1979), 391-96.

Liberatore, M., "Using MRP and EOQ/Safety Stock for Raw Materials Inventory Control," *Interfaces*, (cover article) Vol. 9, No. 2, Pt. 1 (February 1979), 1-7.

Liberatore, M., "Planning Horizons for a Stochastic Lead Time Inventory Model," *Operations Research*, Vol. 25, No. 6 (November-December 1977), 977-88.

Liberatore, M., "Gambling in N Stages," *The American Mathematical Monthly*, Vol. 83 (January 1976), 33-35.

Liberatore, M., Rauer, M., and Krendel, E., "Alternative Methods of Waste Paper Disposal," *Socio-Economic Planning Sciences*, Vol. 8, No. 4 (August 1974), 207-13.

OTHER

Liberatore, M., Review, *Hierarchical Operations and Supply Chain Planning* by Tan Miller, *Interfaces*, Vol. 33, No. 1 (January-February 2002), pp.96-97.

Liberatore, M., Stout, D., and Robbins, J., "The XYZ Investment Company: A Project Management Case Study" (includes Teaching Notes), *Professor/Practitioner Cases 2002*, Case No. 2002-01, American Institute of Certified Public Accountants (AICPA), 2002, pp. 1-25.

Liberatore, M., and Nydick, R., "Issues in Education: MBA Management Science on the Web," *OR/MS Today*, June 2002, Vol. 29, No. 3, p. 14-15.

Singhal, K., Agrawal, V., Liberatore, M., "Automation in Manufacturing and Services," *Encyclopedia of Operations Research and Management Science* (Centennial Edition), Saul I. Gass and Carl M. Harris (eds.), Kluwer Academic Publishers, 2001, 38-44.

Liberatore, M., and Nydick, R., "Issues in Education: Modeling Software & the MBA OR/MS Course," *OR/MS Today*, Vol. 25, No 4 (August 1998).

Liberatore, M., and Breem, D., "A Strategic Plan for Imaging Sharpens the Competitive Edge," *American Banker*, Vol. CLIX, No. 202, October 19, 1994, p. 16.

Liberatore, M., "Automation," *Encyclopedia of Operations Research and Management Science*, Saul I. Gass and Carl M.

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Liberatore, M., Review, *The Analytic Hierarchy Process*, by Thomas L. Saaty, *American Journal of Mathematical and Management Sciences*, Vol. 2, 1982, 165-72.

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Liberatore, M., G. Titus, and M. Varano, "Variables Influencing the Adoption of CNC Tools by Small Manufacturers," *Proceedings of the Northeast DSI Meeting*, Baltimore, MD, March 30-31, 1989, pp. 335-338.

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Liberatore, M., and G. Titus, "A Simulation Study to Determine the Impact of Truck-Fleet Sizing on Customer Service," *Proceedings of the 1981 Southeast TIMS Meeting*, Atlanta, GA, October 8-9, 1981, pp. 285-89.

B. Golden, M. Liberatore, and C. Lieberman, "A Network Model for Cash Flow Management," *Proceedings of the 1978 Northeast AIDS Conference*, Washington, DC, pp. 13-20.

PRESENTED PAPERS AND CONFERENCE ACTIVITIES:

"Lean in Healthcare Delivery," Decision Sciences Institute Annual Meeting," Boston, MA, November 19 – 22, 2011.

"Modeling Quality, Cost, and Time in Software Development Project Scheduling and Planning," with B. Pollack-Johnson, INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, Charlotte, NC, November 13 -16, 2011.

"Perspectives on Analytics within INFORMS and in Industry," with W. Luo, invited paper, INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, Charlotte, NC, November 13 -16, 2011.

"An Assessment of Six Sigma in Health Care Delivery," INFORMS Healthcare 2011 Conference, Montreal, Canada, June 20 – 22, 2011.

INFORMS MSOM, Healthcare Operations Management, Sponsored Cluster Session Co-chair, INFORMS Healthcare 2011 Conference, Montreal, Canada, June 20 – 22, 2011.

"Six Sigma in Healthcare Delivery," Northeast Decision Sciences Meeting, Montreal, Canada, April 14 – 16, 2011.

Session chair, "Healthcare Management III," Northeast Decision Sciences Meeting, Montreal, Canada, April 14 – 16, 2011.

Track chair, "New Product Development and Project Management," Northeast Decision Sciences Meeting, Montreal, Canada, April 14 – 16, 2011.

"Linking Supply Chain Strategic Planning with Project Selection and Resource Allocation," with T. Miller, Decision Sciences Institute Annual Meeting, San Diego, CA, November 20 - 23, 2010.

"Modeling the Relationship between Quality, Time, and Cost in Project Management Decision Making," with B. Pollack-Johnson, Decision Sciences Institute Annual Meeting, San Diego, CA, November 20 - 23, 2010.

"Six Sigma in Health Care Delivery," INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, Austin, TX, November 7 - 10, 2010.

Panel participant, “Operations Research/Management Science in Business Schools,” INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, Austin, TX, November 7 - 10, 2010.

Continuous Quality/Time/Cost Tradeoffs,” with B. Pollack-Johnson, INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, Austin, TX, November 7 - 10, 2010.

“Six Sigma in Health Care Delivery,” Presented at the MSOM Workshop on Healthcare Operations Management, Haifa, Israel, June 27, 2010.

Co-chair, MSOM Workshop on Healthcare Operations Management, Haifa, Israel, June 27, 2010.

“An Applied Framework For Supply Chain Strategy And Planning”, with T. Miller, 2010 INFORMS Conference on O. R. Practice: Applying Science to the Art of Business, Orlando, FL, April 18-20, 2010.

“A Supply Chain Strategic Planning Framework,” with T. Miller, Northeast Decision Sciences Meeting, Alexandria, VA, March 26-28, 2010.

Panel participant, “Information about Specific Research Areas – Small Group Meetings with Mentors, Doctoral Consortium,” Decision Sciences Institute Annual Meeting, New Orleans, LA, November 14 – 17, 2009.

Session chair, “Modularity, Fast-tracking, and Crashing of Activities in Projects,” Decision Sciences Institute Annual Meeting, New Orleans, LA, November 14 – 17, 2009.

“Crashing Projects, and Time/Cost/Quality Tradeoffs,” with B. Pollack-Johnson, Decision Sciences Institute Annual Meeting, New Orleans, LA, November 14 – 17, 2009.

“Business Analytics: Implications for Operations Research Professionals,” with W. Luo, INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, San Diego, CA, October 11 - 14, 2009.

“Crashing Resource-Constrained Projects,” with B. Pollack-Johnson, INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, San Diego, CA, October 11 - 14, 2009.

“Quality, Time, and Cost Tradeoffs in Project Management Decision Making,” with B. Pollack-Johnson, PICMET '09: Portland International Conference on Management of Engineering and Technology, Portland, OR, August 2 – 6, 2009.

Session chair, “Project/Program Management 2”, PICMET '09: Portland International Conference on Management of Engineering and Technology, Portland, OR, August 2 – 6, 2009.

“The Relationships Between Client and Consultant Objectives in IT Projects,” with W. Luo, Northeast Decision Sciences Institute Conference, Uncasville, CT, March 31 – April 3, 2009.

“Modeling the Relationships between Quality, Time, and Cost in Project Management Decision Making,” with B. Pollack-Johnson, INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, Washington, D. C., October 12 - 15, 2008.

“Analyzing the Relationships between Quality, Time, and Cost in Project Management Decision Making,” with B. Pollack-Johnson, Northeast Decision Sciences Conference, Brooklyn, NY, March 28-30, 2008.

“Managing Engagement Success in Consultant-Assisted Projects,” with W. Luo, Decision Sciences Institute Annual Meeting, Phoenix, AZ, November 17 – 20, 2007.

“Incorporating Quality Considerations into Project Time/Cost Analysis and Decision Making,” with B. Pollack – Johnson, INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, Seattle, WA, November 4 – 7, 2007.

“The Effect of Client – Consultant Coordination on IS Project Performance: An Agency Theory Perspective,” with W. Luo, PICMET ’07: Portland International Conference on Management of Engineering and Technology, Portland, OR, August 5 – 9, 2007.

“Fuzzy Critical Path Analysis,” 2007 Northeast Decision Sciences Institute Conference, Baltimore, MD, March 28 - 30, 2007.

"A Mathematical Programming Approach for Critical Path Analysis with Fuzzy Activity Times," Decision Sciences Institute Annual Meeting, San Antonio, TX, November 18 – 21, 2006.

“Achieving It Consultant Objectives through Client Project Success”, with W. Luo, Decision Sciences Institute Annual Meeting, San Antonio, TX, November 18 – 21, 2006.

"A Mathematical Programming Approach for Critical Path Analysis with Fuzzy Activity Times," INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, Pittsburgh, PA, November 5 - 8, 2006.

"Extending Time-Cost Analysis by Removing Precedence Relationships and Task Streaming," with B. Pollack-Johnson), INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, Pittsburgh, PA, November 5 - 8, 2006.

“The Effect of Client-Consultant Coordination on IT Project Success,” with W. Luo, Decision Sciences Institute Annual Meeting, San Francisco, CA, November 19 – 22, 2005.

“Factors Influencing the Decision to Schedule a Prostate Cancer Screening Exam,” with R. L. Nydick and R. E. Myers, Sixteenth Annual Conference of the Production and Operations Management Society (POMS), Chicago, April 30 – May 2, 2005.

“Reducing Project Completion Time by Removing Precedence Relationships,” with B. Pollack-Johnson, 2004 Decision Sciences Institute Annual Meeting, Boston, MA, November 20-23, 2004.

Session chair, “Project Management,” INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, Denver, CO, October 24 – 27, 2004.

“Reducing Project Completion Time by Removing Precedence Relationships,” with B. Pollack-Johnson, INFORMS (The Institute for Operations Research and the Management Sciences) Annual Meeting, Denver, CO, October 24 – 27, 2004.

“Case Studies Using Graphically Enhanced Computer Software to Improve Health Care Technology Assessments and Enhance Clinical Decisions,” with E. Sloane and R. Nydick, IEEE Engineering in Medicine and Biology Conference, Cancun, Mexico, September 17-23, 2003..

“Case Studies Using Graphically Enhanced Computer Software to Improve MIS and Clinical Decisions,” with E. Sloane and R. Nydick, AMCIS (Association for Information Systems Society) 2003 Annual Conference, Orlando, FL, August 4-6, 2003.

“A Macro Approach to Modeling Projects with Uncertain Network Structures,” with B. Pollack-Johnson, PICMET '03, Portland International Conference on Management of Engineering and Technology, Portland, OR, July 20 – July 24, 2003.

Session Chair, “Project/Program Management 2,” *PICMET '03, Portland International Conference on Management of Engineering and Technology*, Portland, OR, July 20 – July 24, 2003.

“How to Use the Analytic Hierarchy Process (AHP) for Successful Health Care Decision Support,” with E. Sloane, R. Nydick, and J. Devlin, AAMI (American Association of Medical Instrumentation) 2003 Meeting, Long Beach, CA, June 14-17, 2003.

“Microeconomic Health Technology Assessment Using the Analytic Hierarchy Process: Two Case Studies,” with R. Nydick and E. Sloane, New Jersey Chapter of INFORMS (The Institute for Operations Research and the Management Sciences), New Brunswick, NJ, March 12, 2003.

“A New Approach for Analyzing Projects with Uncertain Structures and Durations,” with B. Pollack-Johnson, INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, San Jose, CA, November 17-20, 2002.

Panel participant, “Where is OR/MS in Undergraduate Business Curriculum?,” INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, San Jose, CA, November 17-20, 2002.

“Workshop: Using the Analytic Hierarchy Process to Improve Critical Medical Decisions,” with E. Sloane and R. Nydick, 33rd Annual Meeting of the Decision Sciences Institute, San Diego, CA, November 23-26, 2002.

“Improved Medical Decision Support Using the Analytic Hierarchy Process,” with E. Sloane and R. Nydick, 33rd Annual Meeting of the Decision Sciences Institute, San Diego, CA, November 23-26, 2002.

“Clinical Engineering Technology Assessment Decision Support: A Case Study Using the Analytic Hierarchy Process,” with E. Sloane, E., R. Nydick, W. Luo, and Q Chung, IEEE Engineering and Medicine Society Conference, Houston, TX, October 23-26, 2002.

“A Fuzzy Approach to Critical Path Analysis,” PMI Research Conference 2002, Seattle, WA, July 14-17, 2002.

“Analytical Methods in Project Planning & Control: Current Practice & Future Research Directions,” with B. Pollack-Johnson, INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, Miami Beach, November 4 – 7, 2001.

“Applying Fuzzy Logic to Critical Path Analysis,” PICMET '01, Portland International Conference on Management of Engineering and Technology, Portland, OR, July 29 – August 2, 2001.

Session Chair, “Project/Program Management 2,” PICMET '01, Portland International Conference on Management of Engineering and Technology, Portland, OR, July 29 – August 2, 2001.

“A Decision Support System for Men Considering Prostate Cancer Early Detection,” with R. Nydick and R. Myers, AAMI (American Association of Medical Instrumentation) 2001 Meeting, Baltimore, MD, June 10,

2001.

“Using the Web to Support a Management Science Course Offered Partly via Distance Learning,” with R. Nydick, INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, San Antonio, November 5-8, 2000.

“Breaking the Mold: Using Commercial Software to Teach the First MS Course,” (tutorial), M. J. with R. Nydick, INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, San Antonio, November 5-8, 2000.

“Breaking the Mold: Using Commercial Software and Experiential Learning to Teach the First Management Science Course,” (tutorial), with R. Nydick, 31st Annual Meeting of the Decision Sciences Institute, Orlando, November 18-21, 2000.

“Modeling Software in the First MBA OR/MS Course,” with R. Nydick, 31st Annual Meeting of the Decision Sciences Institute, Orlando, November 18-21, 2000.

Sponsored Cluster Chair, “Decision Technology,” INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, Philadelphia, November 7-10, 1999.

“Using Commercial Software and Experiential Learning to Teach the First Management Science Course,” with R. Nydick, INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, Philadelphia, November 7-10, 1999.

Session Chair, “Tutorial: Theory and Application of the ANP,” INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, Philadelphia, November 7-10, 1999.

“A Decision Support System for Men Considering Prostate Cancer Early Detection,” with R. Nydick, R. Myers, et al., INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, Philadelphia, November 7-10, 1999.

“Using Project Management Software in Different Work Environments,” with B. Pollack-Johnson, PICMET (Portland International Conference on Management of Engineering and Technology), Portland, OR, July 25-29, 1999.

Session Chair, “Program/Project Management I,” PICMET (Portland International Conference on Management of Engineering and Technology), Portland, OR, July 25-29, 1999.

“Factors Influencing Project Management Techniques and Software Usage and Attitudes about Future Research among Project Management Professionals,” with B. Pollack-Johnson, INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, Cincinnati, OH, May 2-5, 1999

Conference chair and Proceedings Co-Editor, “Russell L. Ackoff and the Advent of Systems Thinking”, March 4-6, 1999, Villanova University.

“Using Commercial Software & Experiential Learning to Teach the First MBA Course” (tutorial session), with R. Nydick, INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, Seattle, October 25-28, 1998.

“Factors Influencing Usage Patterns of Analytical Techniques within Project Management Software,” with B.

Pollack-Johnson, INFORMS (The Institute for Operations Research and the Management Sciences)/COORS (Canadian Operational Research Society) Meeting, Montreal, April 26-29, 1998.

“Breaking the Mold: Using Commercial Software & Experiential Learning to Teach the First Management Science Course” (half-day workshop), with R. Nydick, INFORMS (The Institute for Operations Research and the Management Sciences)/COORS (Canadian Operational Research Society) Meeting, Montreal, April 26-29, 1998.

“Freshmen Laptop Initiative at Villanova University,” with J. Borden and R. West, 1998 Price Waterhouse Technological Innovations in Business Education Conference, University of Virginia, April 17-18, 1998.

“Project Management Software Survey,” with B. Pollack-Johnson, Philadelphia Project Management Institute Chapter, February 12, 1998.

“Using Commercial Modeling Software as a Learning Tool in the Introductory MBA Management Science Course,” with R. Nydick, INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, Dallas, October 26-29, 1997.

“Project Management Software: Practitioner Messages to Researchers and Software Developers,” with B. Pollack-Johnson, INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, Atlanta, October, 1996.

"The Selection of Categorical Surgical Residents using the Analytic Hierarchy Process," with R. Nydick, INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, Washington, D.C., May 5-8, 1996.

"Preliminary Results from a Survey on the Use of Project Management Software," with B. Pollack-Johnson, INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, Washington, D.C., May 5-8, 1996.

Session Chair, "Technology Education and Adoption," INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, New Orleans, October 29 - November 1, 1995.

"Adoption and Implementation of Digital Imaging Technology in the Banking and Insurance Industries," INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, New Orleans, October 29 - November 1, 1995.

"Using Field Projects in a Management Science MBA Class," with R. Nydick, INFORMS (The Institute for Operations Research and the Management Sciences) Meeting, New Orleans, October 29 - November 1, 1995.

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"Knowledge-Based Systems for New Product Development Decision-Making," ORSA/TIMS Joint National Meeting, San Francisco, CA, November 1-4, 1992.

"Applications of an Expert Advisory System for Strategic Decision-Making in New Product Development" with A. Stylianou, POM - 91 Meeting, New York City, November 10 - 13, 1991.

"The Evaluation of Research Papers, or How to Get an Academic Committee to Agree on Something," with R. Nydick, ORSA/TIMS Joint National Meeting, November 1-4, 1991.

Seminar Chairman, "Resource Management in Technical Systems," Portland International Conference on Management Engineering and Technology, Portland, OR, October 27-31, 1991.

"Integrating Product Line and Product Family Forecasts" with A. Kalburgi, T. Miller, and M. Kirkpatrick, presented at the Philadelphia Joint National ORSA/TIMS Meeting, October 29-31, 1990.

"An Expert Systems Application in Product Development Planning" with A. Stylianou, presented at the Philadelphia Joint National ORSA/TIMS Meeting, October 29-31, 1990.

"Decision Support for Capital Budgeting: A Model for Classroom Presentation", with T. Monahan and D. Stout, 1990 Annual Meeting, American Accounting Association, Toronto, August, 1990.

"Capital Budgeting in the New Manufacturing Environment: A Model for Classroom Presentation," with T. Monahan, presented at the Northeast Regional Meeting of the American Accounting Association, New York, April 1990.

"A Methodology for Evaluating Heuristic Techniques," with R. Nydick and E. Weiss, presented at the Joint National ORSA/TIMS Meeting, New York, October 9-11, 1989.

"R&D's Role in New Product Development and Innovation," with G. Titus, presented at the CORS/TIMS/ORSA Meeting, Vancouver, B.C., Canada, May 8-10, 1989.

"Expert System Applications for Project Selection and Evaluation," presented at the CORS/TIMS/ORSA Meeting, Vancouver, B.C., Canada, May 8-10, 1989.

Session Chairman, "Project Selection and Evaluation," CORS/TIMS/ORSA, Vancouver, B.C., Canada, May 8-10, 1989.

"Hierarchical Manufacturing Planning: A Strategic Necessity," with T. Miller, presented at the Manufacturing Management in the Nineties Conference, Toledo, Ohio, April 28-29, 1989.

"Variables Influencing the Adoption of CNC Tools by Small Manufacturers," with G. Titus and M. Varano, presented at the Northeast DSI Meeting, Baltimore, MD, March 30-31, 1989. Also served as a discussant.

"Linking R&D Planning with Strategy," with G. Titus, invited presentation, Academy of Management Meeting, Anaheim, CA, August 1988. (Refereed)

"A Decision Support Approach for Project Selection," presented at the Philadelphia ORSA/TIMS Meeting, February 8, 1989.

"In Search of the Missing Links between R&D Planning and Business Strategy," with G. Titus, presented at the

International EURO/TIMS Meeting, Paris, July 6-8, 1988.

"An Expert System Application for R&D Project Selection," presented at the Joint National ORSA/TIMS Meeting, Washington D.C., April 25-27, 1988.

Panel organizer and co-chairman, "Issues in the Evaluation and Selection of Advanced Manufacturing Technologies," and session chairman, "Project Management," Joint National ORSA/TIMS Meeting, Washington, D.C., April 25-27, 1988.

"Linkages between R&D Planning and Strategy," with G. Titus, Faculty Research Seminar, Temple University, March 18, 1988.

"Linkages Between R&D Planning and Business Strategy," with G. Titus, presented at the Joint National ORSA/TIMS meeting, St. Louis, MO, October 26-28, 1987.

"Innovations and Information Systems for Project Management," with G. Titus, presented at the Delaware Valley Chapter of the Project Management Institute, Philadelphia, PA, September 15, 1987.

"An Expert Support System for R&D Project Selection," presented at the Sixth International Conference on Mathematical Modeling, St. Louis, MO, August 4-7, 1987.

"An Expert Support System for R&D Project Selection," presented at the Joint National ORSA/TIMS meeting, New Orleans, LA, May 4-6, 1987.

Reviewer and discussant, Operations Management Track, 1987 Northeast Decision Sciences Institute, Atlantic City, NJ, April 2-3, 1987

"In Search of...The Missing Links Between R&D Planning and Business Strategy," with G. Titus, presented to the Philadelphia/Delaware Valley Chapter of the Planning Forum, March 19, 1987.

"R&D Project Selection," invited paper, presented at the National Conference on Expert Systems and Expert Support Systems, June 9-11, 1986, Bethesda, MD.

"Industrial R&D Planning: Is it Really Strategic?," with G. Titus and B. Dean, presented at the Joint National ORSA/TIMS meeting, Los Angeles, April 14-16, 1986.

"Mode of Presenting Information: Does it Matter," with G. Titus, presented at the Philadelphia Area Joint ORSA/TIMS Chapter, Philadelphia, April 9, 1986.

"A Mixed Integer Programming Model for Scheduling Several Products in a Multi-Production Line Environment," with M. Guignard, T. Miller, R. deMatta, and S. Kim, ORSA/TIMS National Meeting, Atlanta, GA, November 4-6, 1985.

"Project Management with Voice-Activated Systems," with P. Dixon and G. Titus, National ORSA/TIMS Meeting, Atlanta, GA, November 4-6, 1985.

"An Experimental Study on the Impact of Computer Graphics on Project Management Decision Making," with G. Titus and P. Dixon, National ORSA/TIMS Meeting, Atlanta, GA, November 4-6, 1985.

"Successful Integration of Production Planning and Distribution Modeling Activities," with T. Miller, 1985

Southeast TIMS Meeting, Myrtle Beach, SC, October 10-11, 1985.

"Mode of Presenting Information: Does it Matter?," with G. Titus and P. Dixon, 1985 Southeast TIMS Meeting, Myrtle Beach, SC, October 10-11, 1985.

"RDE Multiproject Planning and Control: A Decision Support Approach," with G. Titus, TIMS XXVI International Meeting, Copenhagen, Denmark, June 17-21, 1984.

"Innovations on Project Management," panel member, 10th Annual Project Management Institute Seminar/Symposium, Philadelphia, PA, October 6-10, 1984.

"A Hierarchical Production Planning, Scheduling and Inventory Control System," with T. Miller, 1984 Southeast TIMS Meeting, Myrtle Beach, SC, September 27-28, 1984.

"Predicting the Adoption of Computer-Controlled Tools by Small Manufacturing Operations," with G. Titus, 1984 Southeast TIMS Meeting, Myrtle Beach, SC, September 27-28, 1984.

Session chairman, "Applications Potpourri," discussant and judge, Student Paper Competition, 1984 Southeast TIMS Meeting, Myrtle Beach, SC, September 27-28, 1984.

"Private Development of Alternate Fuels in a Public Environment: Case Study-Bringing Methanol Fuels to the Marketplace," Symposia sponsored by Atlantic Richfield Company, Newton Square, PA, April 23-25, 1984.

RDE Multiproject Planning and Control: A Discussion of Issues for Developing a Decision Support System," with G. Titus, 1983 Southeast TIMS Meeting, Myrtle Beach, SC, September 29-30, 1983.

"Toward a Framework for R&D Multi-Project Scheduling and Control: A Decision Support Approach," with G. Titus, National ORSA/TIMS Meeting, Chicago, Illinois, April 25-27, 1983.

"Operations Management," Session Chairman, Northeast AIDS Meeting, Philadelphia, PA, April 7-8, 1983.

"R&D Planning: Can It Have a Strategic Perspective?" with G. Titus, National ORSA/TIMS Meeting, San Diego, CA, October 24-27, 1982.

"The One Machine, Two Product Scheduling Problem Under Time-Varying Deterministic Demand," with L. Naber, AIDS National Meeting, Boston, MA, November, 1981.

"Usage of Formal and Quantitative Techniques in R&D Project Management," with G. Titus, National ORSA/TIMS Meeting, Houston, TX, October 11-14, 1981.

"A Simulation Study to Determine the Impact of Truck-Fleet Sizing on Customer Service," with G. Titus, 1981 Southeast TIMS Meeting, Atlanta, GA, October 8-9, 1981.

"Case Studies in Inventory Control and Capacity Expansion in the Chemical Industry," Philadelphia TIMS/ORSA Meeting, May, 1979.

"Career Opportunities in Management Science," University of Pennsylvania TIMS Chapter, November 1978.

"Cost/Accuracy Tradeoffs for Incomplete Gamma Function Computation," ORSA/TIMS Meeting, Los Angeles, CA, November 13-15, 1978.

"The Relevance of OR/MS Education in Industry," panel member, ORSA/TIMS Meeting, New York City, May 1-3, 1978.

"On the Applicability of MRP and EOQ/Safety Stock for Raw Materials Inventory Control," ORSA/TIMS National Meeting, San Francisco, CA, May 9-11, 1977.

"A Model of Freight Transport Selection," ORSA/TIMS National Meeting, San Francisco, CA, May 9-11, 1977.

UNPUBLISHED REPORTS:

Bowles, K., J. Holmes, M. Liberatore, M. Naylor, S. Ratcliffe, and J. Cater, "Factors to Support Effective Discharge Decision Making, Funded by the National Institute of Nursing Research Grant number: NRO1-007674-02, April 2006.

Liberatore, M., and A. Stylianou, "Applying Expert Systems to Shorten the Product Development Cycle," funded by the National Science Foundation through the Center for Innovation Management Studies, Lehigh University, contract number LU 429-560-1, December, 1991.

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CURRENT RESEARCH EFFORTS AND INTERESTS:

Project management methods, systems, and software, and IT project performance
Quality and process management in health care delivery
Supply chain strategic planning and project selection
Counseling and decision support tools for health care decision making
Development and application of the Analytic Hierarchy Process (AHP) for planning, evaluation, and portfolio management
Applications of fuzzy logic in managerial decision making