

**VITA**  
**JACK R. MEREDITH**  
April 2018

***Work***

School of Management  
Wake Forest University  
P.O. Box 7897  
Winston-Salem, NC 27109  
336/758-4467 (FAX: 758-6133; email: meredithjr@wfu.edu)

***Home***

515 Robert Ct.  
Hillsborough, NC 27278  
919/241-4600

**Education**

PhD: Business Administration (Production Management and Management Science), University of California, Berkeley, 1972  
MBA: Operations Management, Univ. of Calif., Berkeley, 1970.  
BS: Mechanical Engineering, Oregon State University, 1961.  
BS: Mathematics, Oregon State University, 1961.

**Current Position**

Professor of Management, Emeritus  
Broyhill Distinguished Scholar and Chair in Operations, Emeritus

**RESEARCH AND PUBLICATIONS**

**Grants**

1990 "Industrial Modernization Incentives Program", Institute of Advanced Manuf. Sciences & U.S. Navy  
1990 "Eminent Scholar in Operations Management and Quantitative Analysis", funded by the State of Ohio (with J. Evans & J. Camm), 1988  
1987 "Management of Advanced Technology and Innovation", funded by the Cleveland Foundation (with S. Mantel, Jr. & A. Welsh)  
1986 Consultant to Illinois Institute of Technology Grant: "A Comparison of U.S. and Soviet Advanced Manufacturing Technologies"  
1985 "Design of a University Manufacturing Management Consortium", funded by the Soc. of Manuf. Engrs.  
1983 "Management Issues in High Technology Manufacturing Industries" funded by the Cleveland Foundation (with others)  
1980 "Logistics/Distribution/Transportation Option", funded by The Kroger Co. (with R. Dornoff)  
1974 "Emergency Medical Services Study", funded by the Joint Center for Urban and Environmental Problems, State of Florida (with A. Shershin)  
1973 "Fire and Rescue Study", funded by the Joint Center for Urban and Environmental Problems, State of Florida (with A. Shershin)  
1972 "An Analysis of Sickle Cell Anemia Including the Effect of Genetic Counseling", Joint Center for Urban and Environmental Problems, State of Florida

**Editorships**

2008-2012 Co-Editor-in-Chief, *Operations Management Research*  
1994-2002 Editor-in-Chief, *Journal of Operations Management*  
1988-2002 Editorial Board, *IEEE Transactions on Engineering Management*  
1994-2002t Editorial Advisory Board, *Production/Operations Management Journal*  
1993-1999 Editorial Advisory Board, *Intr'l. Jr. of Quality, Technology, & Benchmarking*  
1999 Board of Advisors, *Handbook of Technology Management*

1993-1994	Associate Editor, <i>Journal of Operations Management</i>
1989-1994	Editorial Advisory Board, <i>Journal of Operations Management</i>
1989-1993	Area Editor, <i>Production/Operations Management Journal</i>
1983-1989	Series Editor, Series in Production/Operations Management, John Wiley & Sons, Inc.
1982-1986	Advisory Editor, John Wiley & Sons, Inc.
1981-1985	Editor, <i>Operations Management Review</i>
1979-1981	Assoc. Editor, <i>Journal of Operations Management</i>
1979-1981	Editor, <i>The Operations Management Newsletter</i>

### Doctoral Dissertation Committees

#### Chairman:

1995	Ramabadran, R.	A Theory for the Benchmarking Process
1994	Hartley, Janet	Understanding Supplier Involvement in Their Customer's Product Development
1993	Marsh, Robert	Factors Impacting the Life Cycle of Manufacturing Cells
1993	Dennis, Daina	Defining Production and Inventory Control Systems for Process Industries
1991	Maffei, Mary Jo	Infrastructure and the Routine Use of Flexible Manufacturing Technology
1990	Amoako-Gyampah, Kwasi	An Examination of the Impacts of Tooling Policies in Terms of their Effectiveness in a Flexible Manufacturing Environment
1990	Vineyard, Michael	A Comparison of Maintenance Policies
1988	Shafer, Scott	A Comparison of Manufacturing Cell Formation Techniques
1986	Suresh, Nallan	Risk Analysis Methodology for Multimachine System Investments
1982	Mersha, Tigineh	The Allocation of Health Resources to Subunits within a Health Care System

#### Member:

1990	Johnson, Bruce	The Interaction of Equipment and Process Technology Knowledge and Decision Making Methodology
1985	Bialac, Richard	Analysis of the Effectiveness and Efficiency of Business Decision-Making Using Computer Graphics
1984	Krieger, Ruth	A Comparison of Power and Related Constructs in the Marketing Channel: A Challenge to the Uni-Level Assumption
1982	Gagnon, Roger	An Exploratory Analysis of the Relevant Cost Structure of Internal and External Engineering Consulting
1977	Otto, Robert	An Investigation of the Relationship Between Capital Intensiveness and Several R&D Variables

### Master Thesis Committees

#### Member:

1986	Lindsay, William	Measures of Quality Circle Effectiveness: A Survey and Critique
------	------------------	---

### Textbooks and Monographs

2018	<i>Project Management: A Strategic Managerial Approach</i> , 10 <sup>th</sup> edition, (with S. M. Shafer and S.J. Mantel, Jr.), (1 <sup>st</sup> ed., 1985; 2 <sup>nd</sup> ed., 1989; 3 <sup>rd</sup> ed. 1995, 4 <sup>th</sup> ed. 2000, 5 <sup>th</sup> ed. 2003, 6 <sup>th</sup> ed. 2006, 7 <sup>th</sup> ed. 2009, 8 <sup>th</sup> ed. 2012, 9 <sup>th</sup> ed. 2015), Wiley. Portuguese edition for Brazil: <i>Administracao de Projetos: Uma Abordagem Gerencial</i> , 2000. Translated into Chinese editions, 1990, 2002, 2008, 2011.	
------	--	--

- 2017 *Project Management in Practice*, 6<sup>th</sup> ed., (with S. Shafer and S.J. Mantel, Jr), (1<sup>st</sup> ed., 2001; 2<sup>nd</sup> ed., 2005; 3<sup>rd</sup> ed. 2008; 4<sup>th</sup> ed. 2011, 5<sup>th</sup> ed. 2014) Wiley. Translated into Chinese edition, 2002.
- 2016 *Operations Management for MBAs*, 6<sup>th</sup> ed. (with S. Shafer), (1<sup>st</sup> ed. 1999, 2<sup>nd</sup> ed. 2002, 3<sup>rd</sup> ed. 2007; 4<sup>th</sup> ed. 2011; 5<sup>th</sup> ed. 2013), Wiley. Translated into Chinese edition, 2003. Portuguese edition for Brazil: *Administracao da Producao para MBAs*, 2002.
- 2010 *Project Management: A Managerial Approach: **International Student Version***, 7<sup>th</sup> edition, (with S.J. Mantel, Jr.).
- 2008 *Project Management: Planning, Scheduling, and Controlling Projects*, 1<sup>st</sup> ed., (with S.E. Portny, S.J. Mantel, Jr., S.M. Shafer, and M.M. Sutton), Wiley.
- 2003 *Introducing Operations Management*, (with S. Shafer), Wiley
- 2002 *Quantitative Business Modeling* (with S. Shafer and E. Turban), South-Western
- 1999 *Administracion de las Operaciones*, 2<sup>nd</sup> ed., (Spanish translation of *The Management of Operations*), 1<sup>st</sup> ed. 1986.
- 1998 *Fundamentals of Management Science—Custom Edition*, (with E. Turban), Irwin-McGraw Hill.
- 1998 *Operations Management: A Process Approach with Spreadsheets*, (with S. Shafer) John Wiley & Sons, Inc.
- 1994 *Fundamentals of Management Science*, 6th edition, (with E. Turban), (1st ed., 1977; 2nd ed., 1981; 3rd ed., 1985; 4th ed., 1988; 5th ed. 1991) Richard D. Irwin, Inc.
- 1992 *The Management of Operations*, 4th edition, (1st ed., 1980; 2nd ed., 1984; 3rd ed., 1987) John Wiley & Sons, Inc.
- 1990 *Management: Metodfologie e Tecniche Operative* (Italian translation of *Fundamentals of Management Science*)
- 1989 *Managerial Lessons in Factory Automation: Case Studies of Flexible Manufacturing Systems*, Monograph No. 4, Operations Management Association.
- 1987 *Spreadsheet Templates and Applications in Operations Management*, (with S. Shafer), Wiley
- 1986 *The Hospital Game*, 2nd edition, 1981, Shasta Publications (1st edition, 1978; microcomputer version and new instructor's manual, 1986)
- 1986 *Justifying New Manufacturing Technology*, Industrial Engineering and Management Press, Institute of Industrial Engineers, Norcross, GA.
- 1984 *Strategic Management of Operations*, (with S. Wheelwright and R. Schroeder), Proceedings of the First Annual Winter Conference of the OMA, Operations Management Association, San Francisco, Nov., 1982.
- 1984 *Student Study Guide and Workbook* (to accompany *The Management of Operations*), John Wiley & Sons, Inc.
- 1982 *Essentials of Management Science*, (with E. Turban), Business Publications, Inc.
- 1978 *Proceedings of the Midwest AIDS Regional Meeting*, (with P. Swanson), Cincinnati, Ohio

## Cases

- 2007 "Sara Lee Corporation"
- 1987 "TRW Canada Limited: Thompson Products Division (A)"
- 1987 "Automotive Builders, Inc.", based on TRW's Automotive Worldwide Sector
- 1987 "Cincinnati Milacron-- Plastics Machinery Division"
- 1986 "Geartrain International: Medina, Ohio", based on Rockwell International's On-Highway Axle Division
- 1986 "Pilton Manufacturing Corporation", based on Cross and Trecker's Georgetown Manufacturing subsidiary.
- 1985 "Peerless Laser Processors"
- 1985 "Oil Well Cable Company, Inc.", based on TRW's Oilwell Cable subsidiary.

## Research in Process

## Research Submitted (W)

- 2017\* “The Responsibilities of the Project Owner in Benefits Realization,” (with O. Zwikael), *International Journal of Operations and Production Management*, xx:xxx-xxx (accepted x/xx/xx)
- 2017\* “Measuring Project Success and the Performance of its Leaders,” (with O. Zwikael), *Journal of Operations Management*, xx:xxx-xxx (accepted x/xx/xx)
- 2017\* “The Market Power of Diversification in New Product Development and R&D Contracts: Evidence from the Defense Industry,” (with T. Adler, T. Pittz), *Journal of Product Innovation Management*, xx:xxx-xxx (accepted x/xx/xx).

## Academic Publications (\* refereed)

- 2018\* “Assessing the Exchange of Knowledge Between Operations Management and other Fields: Some Challenges and Opportunities,” (with A. Pilkington), *Journal of Operations Management*, 60:47-53 (accepted 5/20/18).
- 2018 “Old Theories, New Contexts: Extending Operations Management Theories to Projects,” (with H. Maylor, J. Soderlund, and T. Browning), *International Journal of Operations and Production Management*, 38(6):1274-1288 (accepted 4/18).
- 2018\* “Project Benefit Management: Setting Effective Target Benefits,” (with O. Zwikael and Y-Y. Chih), *International Journal of Project Management*, 36:650-658 (accepted 1/12/18).
- 2018\* “The Diffusion Network of Research Knowledge in Operations Management,” (with A. Pilkington), *International Journal of Operations and Production Management*, 38(2):333-349 (accepted 9/8/17).
- 2018\* “Who’s Who in the Project Zoo? The Ten Core Project Roles,” (with O. Zwikael), *International Journal of Operations and Production Management*, 38(2):474-492 (acc. 8/23/17).
- 2018\* “Identifying Mechanisms of Top Management Commitment through a Social Capital Lens: A Case Study of a Technology Implementation Project,” (with K. Amoako-Gyampah, K. W. Loyd), *Project Management Journal*, 49 (1):79-85 (accepted 8/23/17).
- 2016\* “An Analysis of Risk Sharing in Strategic R&D and New Product Development Projects,” (with T. Adler, T. Pittz), *International Journal of Project Management*, 34:914-922 (accepted 4/18/16).
- 2015\* “Professional, Research, and Publication Trends in Operations and Supply Chain Management,” (with D. Simpson), *Journal of Supply Chain Management*, 51(3):87-100 (acc. 3/29/15).
- 2015 “Erratum: Characterizing and Structuring a New Make-to-Forecast Production Strategy,” (with U. Akinc, B. Zwartele’, and J. Arts. *Journal of Operations Management*, 37:59-60 (acc. 2/3/15).
- 2015\* “Make to Forecast: Customization with Fast Delivery,” (with Umit Akinc), *International Journal of Operations and Production Management*, 35 (5):728-750 (acc. 5/29/14).
- 2012\* “Dynamic Pricing and Demand Estimation for a Single Unique Asset,” (with Umit Akinc), *Decision Sciences*, 43:711-728 (acc. 2/21/12).
- 2011 “Editorial: Passing on the Torch of Operations Management Research,” (with Pat McMullen), *Operations Management Research*, 4:87-88.
- 2011\* “Knowledge Dissemination in Operation Management: Published Perceptions versus Academic Reality,” (with Michelle Steward and Bruce Lewis), *Omega*, 39:435-446 (acc. 10/11/10).
- 2010 “Editorial: State of the Journal,” (with P.R. McMullen), *Operations Management Research*, 3:1-6.

- 2009\* "Modeling the Manager's Match-or-Wait Dilemma in a Make-to-Forecast Production Situation," (with Umit Akinc), *Omega*, 37:300-311 (acc. 1/07).
- 2009\* "The Evolution of the Intellectual Structure of Operations Management—1980-2006: A Citation/Co-Citation Analysis," (with Alan Pilkington), *Journal of Operations Management*, 27: 185-202 (acc. 7/08).
- 2009 "Issues in the Modeling-Empiricism Gap," *Journal of Supply Chain Management*, 45 (1): 44-48.
- 2008\* "Operations Management Research: Evolution and Alternative Future Paths," (with Chris Craighead), for *Intr'l. Jr. of Operations and Production Management*, 28:710-726 (acc. 3/08).
- 2007\* "Examining Cumulative Capabilities in a Developing Economy," (with K. Amoako-Gyampah), *Intr'l. Jr. of Operations and Production Management*, Vol. 27, No. 9, pp. 928-950 (acc. 4/07).
- 2007\* "Characterizing and Structuring a New Make-to-Forecast Production Strategy," (with Umit Akinc), *Journal of Operations Management*, Vol. 25, pp. 623-642 (acc. 4/06).
- 2007\* "Research Approaches in Logistics: Trends and Alternative Future Directions," (with C. Craighead, J. Hanna, and B. Gibson), *International Journal of Logistics Management*, Vol. 18, No. 1, pp. 22-40 (acc. 11/06).
- 2006\* "Sara Lee Corporation," (with Umit Akinc), *Case Research Journal*, Vol. 26, No. 1, pp. 43-54 (acc. 7/06).
- 2006 "Service Quality—International Differences: Cruising for Service," *POM Chronicle*, Vol. 13, No. 2, p. 11.
- 2006 "Do We Practice What We Teach? Authors' Assessments of OM Journal Editorial Processes," (with C. Craighead), *POM Chronicle*, Vol. 13, No. 1, pp. 20-22.
- 2006\* "Choosing Appropriate Capacity for a Make-to-Forecast Production Environment by Markov Analysis" (with Umit Akinc), *IIE Transactions*, Vol. 38, No. 10, pp. 847-858 (acc. 4/06).
- 2001\* "Reconsidering the Philosophical Basis of OR/MS," *Operations Research*, Vol. 49, No. 3 (May-June), pp. 1-9 (acc. 11/99).
- 2000\* "An Analysis of Process Industry Production and Inventory Management Systems" (with D. Dennis), *Journal of Operations Management--Special Issue on Configurations in Operations Management: Taxonomies and Typologies*, Vol. 18, No. 6, pp. 683-699 (acc. 2/00).
- 2000\* "An Evaluation of Maintenance Policies for Flexible Manufacturing Systems" (with Mike Vineyard and K. Amoako-Gyampah), *Intr'l. Jr. of Operations and Production Management*, Vol. 20, No. 4, pp. 409-426 (acc. 10/99)
- 2000\* "An Empirical Analysis of Process Industry Transformation Systems" (with D. Dennis), *Management Science*, Vol. 46, No. 8, pp. 1085-1099 (acc. 9/99)
- 2000\* "A Comparison of Direct Cost Savings Between Flexible Automation and Labor with Learning" (with T. Smunt), *Production and Operations Management*, Vol. 9, No. 2, pp. 158-170 (acc. 10/97).
- 1999\* "Practice versus Theory in Cellular Manufacturing: A Need for New Research Directions" (with Scott Shafer and Robert Marsh), *International Jr. of Production Research*, Vol. 37, No. 14 (Sept.), pp. 3113-3138 (acc. 11/98).
- 1999\* "Failure Rate Distributions for Flexible Manufacturing Systems: An Empirical Study" (with M. Vineyard and K. Amoako-Gyampah), *European Jr. of Operational Research*, Vol. 116, pp.139-155 (acc. 1/98).
- 1998\* "Building Operations Management Theory Through Case and Field Research", *Journal of Operations Management* (special issue on "Theory-Driven Empirical Research"), Vol. 16, No. 4, pp. 441-454 (acc. 8/97)
- 1998 "Operations Management in the USA" (with A. Roth), *Intr'l. Jr. of Operations and Production Management*, Vol. 18, No. 7, pp. 668-674 (acc. 6/98).
- 1998\* "Changes in Performance Measures on the Factory Floor" (with R. Marsh), *Production and Inventory Management Journal*, Vol. 39, No. 1 (First Quarter), pp. 36-41 (acc. 5/7/97).
- 1997\* "The Life Cycle of Manufacturing Cells" (with R.F. Marsh and D.M. McCutcheon),

- International Jr. of Operations and Production Management*, Vol. 17, No. 12, pp.1167-1182 (acc. 8/97). (Received the **1998 Highly Commended Award** by MCB University Press.)
- 1997\* "Inventory and Capacity Management of Natural Gas Under Deregulation" (with M. Vineyard and E.S. Wilson), *Production and Inventory Management Journal*, Vol. 38, No. 3, pp. 57-63 (acc. 12/9/96).
- 1997\* "Suppliers' Contributions to Product Development: An Exploratory Study" (with J. Hartley, D. McCutcheon, and R. Kamath), *IEEE Transactions on Engineering Management*, Vol. 44, No. 3 (August), pp. 258-267 (acc. 10/96)
- 1996 "A Clarification on Conceptual and Methodological Issues Related to the Job Characteristics Model: A Reply," (with B.J. Tepper, S.M. Shafer, and R. Marsh), *Jr. of Operations Management*, Vol. 14, No. 4, pp. 369-372 (acc. 2/96).
- 1996\* "A Simulation Study of FMS Tool Allocation Procedures", (with K. Amoako-Gyampah), *Jr. of Manufacturing Systems*, Vol. 15, No. 6, pp. 419-432 (acc. 6/96).
- 1995\* "Infrastructure and Flexible Manufacturing Technology: Theory Development" (with M.J. Maffei), *Jr. of Operations Management*, Vol. 13, No.4, pp. 273-298 (acc. 7/13/95).
- 1995\* "Critical Success Factors in the Machine Tool Industry" (with R.F. Marsh), *Int'rl. Journal of Technology Management, Special Publication on Emerging Technological Frontiers in International Competition*, pp. 36-51 (acc. 6/8/94).
- 1995\* "A Taxonomy for Alternative Equipment Groupings in Batch Environments", (with S. Shafer and Robert Marsh), *OMEGA: The International Journal of Management Science*, Vol. 23, No. 4, pp. 361-376 (acc. 2/95).
- 1995\* "Comparing the Effects of Cellular and Functional Manufacturing on Employees' Perceptions and Attitudes", (with S. Shafer, B. Tepper, and R. Marsh), *Jr. of Operations Management*, Vol. 12, No. 2, pp. 63-74 (acc. 10/94).
- 1994\* "Enhancing Competitiveness Through the New Market Value Equation", (with J. Hartley and D. McCutcheon), *Intr'l. Jr. of Operations and Production Management*, Vol. 14, No. 11, pp. 7-21 (acc. 5/25/93).
- 1994\* "Coping with the Loss of Pooling Synergy in Cellular Manufacturing Systems", (with N. Suresh), *Management Science*, Vol. 40, No. 4, pp. 466-483 (acc. 2/4/93).
- 1994\* "The Organizational Side of Flexible Manufacturing Technology: Guidelines for Managers" (with M.J. Maffei), *Intr'l. Jr. of Operations and Production Management*, Vol. 14, No. 8, pp. 17-34 (acc. 1/94).
- 1994\* "Responding to the Customization-Responsiveness Squeeze", (with D.M. McCutcheon and A.S. Raturi), *Sloan Management Review*, Vol. 35, No. 2 (winter), pp. 89-99 (acc. 4/21/93) [Basis for an interview, broadcast on **Voice of America** April 12, 1994 over the Eutelsat, Intelsat, and Intersputnik satellite networks to 354 cities across Europe, Africa, and Asia.]
- 1993\* "A Longitudinal Study of the Role of Manufacturing Technology in Business Strategy", (with M. Vineyard), *Intr'l. Jr. of Opns. & Pdt'n. Mgt.*, Vol. 13, No. 12, pp. 4-24 (acc. 8/25/92)
- 1993\* "Conducting Case Research in Operations Management", (with Dave McCutcheon), *Journal of Operations Management*, Vol. 11, No. 3, pp. 239-256 (acc. 12/1/92).
- 1993\* "Theory Building Through Conceptual Modeling", *Intr'l. Jr. of Opns. & Pdt'n. Management*, Vol. 13, No. 5, pp. 3-11 (acc. 8/20/92)
- 1993\* "An Empirically-Based Simulation Study of Functional versus Cellular Layouts with Operations Overlapping", (with S. Shafer), *Intr'l. Jr. of Operations and Production Management*, Vol. 13, No. 2, pp. 47-62 (acc. 4/3/92).
- 1992\* "Effect of Maintenance Policies on FMS Failures", (with Mike Vineyard), *Intr'l. Jr. of Production Research*, Vol. 30, No. 11, pp. 2647-2657 (acc. 11/14/91)
- 1992\* "A Comparison of Tool Management Strategies and Part Selection Rules for a Flexible Manufacturing System", (with K. Amoako-Gyampah, A. Raturi), *Intr'l. Jr. of Production Research*, Vol. 30, No. 4, pp. 733-748 (acc. 7/3/91).
- 1992\* "Organized Manufacturing for Superior Market Performance", (with R. McTavish),

- Long Range Planning*, Vol. 25, No. 6, pp. 63-71 (acc. 9/25/92).
- 1991\* "Recent Advances in Justifying CIM Technologies", (with D. McCutcheon), *Computer Integrated Manufacturing Systems*, Vol. 4, No. 4 (Nov), pp. 248-253 (accepted 5/20/91).
- 1991\* "Global Technological Change: Its Impact on Marketing", (with Ron McTavish), *Bond Management Review* (Australia), Vol. 2, No. 1, April, pp. 27-32 (acc. 2/91).
- 1990\* "Coping with the Build-To-Forecast Environment", (with A. Raturi, J. Camm, and D. McCutcheon), *Journal of Operations Management*, Vol 9, No. 2 (April), pp. 230-249 (acc. 10/30/90)
- 1990\* "The Genealogy of Operations Management", (with K. Amoako-Gyampah), *Journal of Operations Management*, Vol. 9, No. 2 (April), pp. 146-167 (acc. 8/21/90)
- 1990\* "A Comparison of Selected Manufacturing Cell Formation Techniques", (with S. Shafer), *Intr'l Jr. of Production Research*, Vol. 28, No. 4, pp. 661-673 (acc. 10/2/89)
- 1989\* "Alternative Research Paradigms for Operations", (with A. Raturi, B. Kaplan, & K. Amoako-Gyampah), *Journal of Operations Management*, Vol. 8, No. 4, Oct., pp. 297-326, (acc. 12/21/89)
- 1989\* "The Operations Management Research Agenda: An Update", (with K. Amoako-Gyampah), *Journal of Operations Management*, Vol. 8, No. 3, Aug., pp. 250-262 (acc. 6/14/89).
- 1989\* "Management Survey on Justifying New Manufacturing Technologies", *Intr'l Jr. of Computer Integrated Manufacturing* (acc. 4/13/89), Vol. 2, No. 3, pp. 164-170.
- 1989 "The Economics of Investment in Automation", in R. Wild *International Handbook of Production and Operations Management*, London: Cassell.
- 1989\* "Modelling Synergy and Learning Under Multiple Advanced Manufacturing Technologies", (with J. Camm), *Decision Sciences*, Vol. 20, No. 2 (Spring), pp. 258-271 (acc. 4/19/88)
- 1988\* "Project Monitoring for Early Termination", *Project Management Journal*, V. 19, No. 5 (November), pp. 31-38 (acc. 2/15/88).
- 1988 "The Withering of U.S. Manufacturing", (with R. Shell), *Industrial Management*, Vol. 30, No. 5 (Sept-Oct), pp. 13-18, (acc. 4/19/88)
- 1988 "Conducting Research in Operations", *POM Spectrum*, Vol. 2, No. 1, Fall, 1988, pp. 3-5 (acc. 4/19/88).
- 1988\* "Managing the Introduction of Advanced Manufacturing Technologies" (with S.G. Green) *Manufacturing Review*, Vol. 1, No. 2, June, pp. 87-92 (acc. 4/28/88).
- 1988 "Factory Automation's Contributions to Business Strategy", *Strategic Planning Management*, Vol. 5, No. 12, pp. 93, 98-100, Vol. 6, No. 1, pp. 1-6 (acc. 4/19/88).
- 1988 "Installation of Flexible Manufacturing System Teaches Management Lessons in Integration, Labor, Cost, Benefits", *Industrial Engineering*, April, 1988, pp. 18-27 (acc. 2/16/88).
- 1988\* "The Role of Manufacturing Technology in Competitiveness: Peerless Laser Processors", *IEEE Transactions on Engineering Management*, Feb., 1988, pp. 3-10 (acc. 8/28/87).
- 1987 "Managerial Lessons in Planning and Implementing Automated Manufacturing: Cincinnati Milacron's Flexible Manufacturing Skystem" *CM Publ.* No. A-412.
- 1987 "Give CIM a Champion", *Advanced Manufacturing Technology*, Feb. 9.
- 1987 "Research and Models for Automated Manufacturing", (with K. Singhal, C. Fine, and R. Suri), *Interfaces*, Nov.-Dec., pp. 5-14 (acc. 8/2/87).
- 1987\* "Implementing New Manufacturing Technologies: Managerial Lessons Over the FMS Life Cycle", *Interfaces*, Nov.-Dec., pp. 51-62 (acc. 4/20/87).
- 1987\* "Automating the Factory: Theory vs. Practice", *Intr'l. Jr. of Production Research*, Vol. 25, No. 10, pp. 1493-1510, (acc. 4/30/87).
- 1987 "Acquiring New Manufacturing Technologies for Competitive Advantage", *Operations Management Review*, Vol. 5, No. 2 (Winter), pp. 9-13 (acc. 2/17/87).
- 1987\* "Strategic Control of Factory Automation, *Long Range Planning*, Vol. 20, No. 6 (Winter), pp. 106-112 (acc. 7/8/85).

- 1987\* "A Grant Rationing Model for a Health Care System", (with T. Mersha and J. McKinney), *Socio-Economic Planning Sciences*, Vol 21, No. 3, pp. 159-165 (acc. 9/30/86).
- 1987 "Heuristic Part Selection Procedures for Flexible Manufacturing Systems", (with A. Raturi and M. Vineyard), in A. Mital, ed., *Recent Developments in Production Research*, Elsevier, New York (acc. 9/1/87)
- 1987 "Time for Manufacturers to Fight", *The Journal of Commerce*, August 20, p. 8A (acc. 8/13/87).
- 1987\* "Managing Factory Automation Projects", *Journal of Manufacturing Systems*, Vol. 6, No. 2, pp. 75-91 (acc. 1/29/87).
- 1987\* "The Strategic Advantages of the 'Factory of the Future' ", *California Management Review*, XXIX:27-41 (No. 3, Spring) (acc. 3/3/87).
- 1987\* "Justifying New Manufacturing Systems: A Managerial Approach", (with M. Hill), *Sloan Management Review*, 28:49-61, (No. 4, Summer) (acc. 4/21/87)
- 1987 "New Justification Approaches for CIM Technologies", *CIM Review*, 3:37-42 (No. 3, Spring) (acc. 8/15/86). Reprinted in *Accounting and EDP Systems*.
- 1987\* "The Strategic Advantages of New Manufacturing Technologies for Small Firms", *Strategic Management Journal*, 8:249-258 (acc. 2/27/86). Reprinted in *Advanced Manufacturing Technology*, Sept. 7, 1987. Reprinted in *Piccola Impresa* (in Italian). Reprinted in *Engineering Management Review*, March, 1988.
- 1987\* "Implementing the Automated Factory", *Journal of Manufacturing Systems*, Vol. 6, No. 1, pp.1-14 (acc. 12/2/86).
- 1986\* "Justification Techniques for Advanced Manufacturing Technologies", (with N. Suresh), *International Journal of Production Research*, 24:1043-1057 (No. 5), (acc. 12/2/85).
- 1986 "The Role of Customer Cooperation in the Development, Marketing and Implementation of Innovations", (with S.J. Mantel, Jr.), in H. Hubner *The Art and Science of Innovation Management*, Elsevier, New York.
- 1986\* "Project Planning for Factory Automation", *Project Management Journal*, XVII:56-62(No. 5, December)(acc. 7/16/86).
- 1986 "Automation Strategy Must Give Careful Attention to the Firm's Infrastructure", *Industrial Engineering*, May, p. 68-73 (acc. 3/20/86)
- 1986\* "Strategic Planning for Factory Automation by the Championing Process", *IEEE Transactions on Engineering Management*, EM-33:229-232 (November), (acc. 3/11/86). Reprinted in *Advanced Manufacturing Technology*, Vol. 8, No. 3, Feb. 9, 1987.
- 1986 "IEs Are Best Suited to Challenging Role of Project Manager", (with S.J. Mantel, Jr.), *Industrial Engineering*, April, p. 54-60 (acc. 2/14/86).
- 1986\* "Research Needs in Managing Factory Automation" (with N. Hyer, D. Gerwin, S. Rosenthal, U. Wemmerlov), *Journal of Operations Management*, 6:201-218 (No. 2, Feb.), (acc.4/12/85).

Editorials in *Operations Management Review*:

- "Operations Management: The Journal, The Association, The Field", Summer, 1985
- "Buying Out of Trouble", Spring, 1985
- "On Losing our Data Sponsors", Winter, 1985
- "Moving Away from the 'Good' Journals", Fall, 1984
- "The Infrastructure of the Future", Summer, 1984
- "Belling the Cat: An Implementation Failure", Spring, 1984
- "Useful Research: An Oxymoron?", Winter, 1984
- "Micros and Softeckies", Fall, 1983
- "Searching for Value", Summer, 1983
- "Research and Practice-- The Tie", Spring, 1983
- "Sleight of Mouth, Sleight of Hand, and the Quick Fix", Winter, 1983



- 1985\* "Emergency and Routine MRO Part Buying", (with R. Krieger) *Industrial Marketing Management*, 14:277-282 (No. 4, November), (acc. 7/15/85).
- 1985 "Results of the Manufacturing Management Council Study on Justification Procedures", Soc. of Mfg. Engrs., June.
- 1985\* "Justifying Multi Machine Systems: An Integrated Strategic Approach" (with N. Suresh, student), winner of the 1985 National Alfred V. Bodine Best Student Paper Award of the Society of Manufacturing Engineers, *Journal of Manufacturing Systems*, 4:117-134, (No. 2, November), (acc. 4/85).
- 1985 "A Champion for Automation", *Industrial Engineering*, p. 25-26, May, (acc. 12/84).
- 1985 "The Economics of Computer Integrated Manufacturing", included in Nazemetz, J., et al. *Computer Integrated Manufacturing Systems: Selected Readings*, p. 42-46, Institute of Industrial Engineers, (acc. 11/84).
- 1985\* "Achieving Factory Automation through Group Technology Principles", (with N. Suresh), *Journal of Operations Management*, 5:151-182, (No. 2, Feb.), (acc. 9/84).
- 1985\* "Quality Assurance Information Systems and Factory Automation", (with N. Suresh), *Intrl. Jr. of Production Research*, 23:479-488, (No. 3, May-June), (acc. 5/15/84).
- 1984 "OM Journal Editor's Panel", *Operations Management Review*, Spring, 1984
- 1984 "A Generic Approach to Justifying Flexible Manufacturing Systems," (with N.C. Suresh), Proceedings of the First ORSA/TIMS Special Interest Conference on FMS: OR Models and Applications, Univ. of Michigan, Ann Arbor, Aug. 15-17.
- 1984 "Abends, Dinosaurs, and Micros", *Datamation*, April, 1984.
- 1984\* "Reconsidering the Decision-Making Approach to Management", *OMEGA: The International Journal of Management Science*, 12:347-352 (No. 4, July) (acc. 1/16/84).
- 1981\* "The Implementation of Computer Based Systems", *Journal of Operations Management*, 2:11-21 (October)
- 1981\* "Production/Operations Management: Agenda for the 80's", (with others), *Decision Sciences* 12:547-571
- 1981 "The Importance of Impediments to Implementation", *Interfaces* 11:71-74 (August)
- 1978 "Management in a Shortage Economy" (note), *Mechanical Engineering*, (February)
- 1978\* "Locating Emergency Medical Rescue Vehicles Under Conditions of Urgency", (with A. Shershin), *Computers and Industrial Engineering* 2:31-39
- 1977\* "Managing the Incidence of Sickle Cell Anemia by Genetic Counseling", *Management Science* 23:1261-1272
- 1976\* "Program Evaluation Techniques in Mental Health", *American Journal of Public Health* 66:1069-1073
- 1976\* "Selecting Optimal Training Programs in a Hospital for the Mentally Retarded", *Operations Research* 24:899-915. Reprinted in Kwak: *Operations Research: Applications in Health Care Planning*, University Press of America, 1984.
- 1976 "Absorbing States" (with E. Turban), included in Loomba: *Readings in Management Science*, Business Publications, Inc.
- 1976 "The Branch and Bound Method" (with others), included in Loomba: *Readings in Management Science*, Business Publications, Inc.
- 1976 "The Implementation of Management Science-- An Overview", (with E. Turban), included in Loomba: *Readings in Management Science*, Business Publications, Inc.
- 1975 *EMS (Emergency Medical Services) and Fire Activities in the South Florida Region* (with A. Shershin), Working Paper 75-4, SBOS, Fla. Intr'l.Univ., Miami
- 1974\* "Program Evaluation in a Hospital for Mentally Retarded Persons", *American Journal of Mental Deficiency*, 18:471-481 (No 4).
- 1974 *Fire and Rescue Study* (with A. Shershin), Working Paper74-5, SBOS, Fla. Intr'l.Univ., Miami

- 1974 "The Influence of Politics on Decisions: Implementing the Student-Requested Course", included in Desfosses: *Decision Sciences: Education and Application*, Amer. Insti. for Decision Sciences, Philadelphia
- 1973 *Sickle Cell Anemia and Genetic Counseling*, Working Paper 73-2, SBOS, Fla. Intr'l. Univ., Miami
- 1973\* "A Markovian Analysis of a Geriatric Ward", *Management Science-- Applications* 19:604-615 (Feb). Also included in Stone: *Random Walks Through the Social Sciences*, Sixth International Conference on Input-Output Techniques, Vienna, 1974. Also included in Buffa: *Management Science/Operations Research*, Wiley, 1977. Also included in Kwak: *Applications of Operations Research for Managerial Decisions*, Duxbury Press, 1978.

### Proprietary Publications

- 1990 *First Annual Report of the Cincinnati Machine Tool Studies Project*, Univ. of Cincinnati
- 1984 *A Forecasting, Planning, and Budgeting System for Warner-Amex Cablevision*, Institute for Advanced Manufacturing Sciences, Cincinnati, Ohio
- 1981 *Surge Production Capability Study*, National Academy of Sciences, Washington, D.C.
- 1975 *Multivariate Analysis of Hospital-Borne Infection Data*, Cedars of Lebanon Hospital, Miami
- 1975 "The Role of Technology in the U.S. Economy", American Management Association Presidents Association, New York
- 1971 *Projective Land Use Model-- Volume I: Plan Making with a Computer Model* (Editor and contributor), Inst. of Transpor. and Traffic Engr., Univ. of California, Berkeley
- 1971 *Projective Land Use Model-- Volume 2: Theory and Applications* (contributor), Inst. of Transpor. and Traffic Engr., Univ. of Calif., Berkeley

## ACADEMIC ADMINISTRATION

### Positions

- 9/09- pres. Senator, Faculty Senate, representing Schools of Business, Wake Forest University
- 9/99-6/02 Senator, University Senate representing Babcock Graduate School, Wake Forest University
- 9/95-6/98 Area Coordinator, Operations Management/Quantitative Methods, Babcock Graduate School, Wake Forest University
- 9/90-9/93 Director, Operations Management and Information Systems, Coll. of Bus. Admin., Univ. of Cincinnati
- 2/78-9/90 Director, Operations Management Programs, College of Business Administration, University of Cincinnati, Cincinnati, Ohio
- 9/87-6/89 Director of Administration, Graduate Center for the Management of Advanced Technology & Innovation, College of Business Administration, University of Cincinnati

### Accomplishments

1. From 1978-1993: Ongoing administration of the college's operations management program consisting of, on average, 100 undergraduate majors, 30 master's majors, and 8 doctoral students with a faculty of only two, in addition to myself. The program included a BS in Industrial Management (2 years of engineering plus 2 years of business) and a BBA in Operations Management (involving a total of 14 different classes in the area) for undergraduate students, and an MBA major and a PhD concentration in operations management (involving a total of 13 different classes) for graduate students. Personally replaced and redesigned almost all the operations management classes. Yearly class offerings included 13 graduate and 16 undergraduate classes, including the introductory courses which enrolled 600 undergraduates and 100 graduate students.

From 1990-1993: Ongoing administration of the college's information systems program consisting of similar statistics but twice as many faculty.

2. Designed and introduced the operations management BBA major to the college.

3. Helped design and introduce an MBA support area in the Management of Advanced Technology & Innovation based on a grant received from the Cleveland Foundation.

4. Designed and introduced a joint MBA/MS Engineering program.

5. Recovered a suspended PhD concentration in information systems through a redesign of the program and helping the faculty work together more productively.

6. Instituted a student-manager mentoring program through the American Production and Inventory Control Society.

7. Helped write the proposals to win a Society of Manufacturing Engineers grant, two grants from the Cleveland Foundation on Advanced Manufacturing Technology, a State of Ohio Academic Challenge award for a new academic position in High-Technology, and a State of Ohio Eminent Scholar award in Operations Management and Management Science.

8. Helped initiate and administer the Graduate Center for the Management of Advanced Technology and Innovation.

9. Initiated three major projects with untenured faculty and PhD students:

Technology Management: Resulted in one dissertation and 25 publications

Cincinnati Machine Tool Studies: Sixteen separate projects resulting in four dissertations and 18 publications.

Studies in Cellular Manufacturing: Resulted in two dissertations and 12 publications.

## **PROFESSIONAL EXPERIENCE**

### **Employment History**

8/95-present	Professor of Management; Broyhill Distinguished Scholar and Chair in Operations Babcock Graduate School of Management, Wake Forest University
9/87-8/95	Professor of Production/Operations Management, Coll. of Bus. Admin., Univ. of Cincinnati
9/90-9/93	Director, Operations Management and Information Systems, Coll. of Bus. Admin., Univ. of Cincinnati
2/78-9/90	Director, Operations Management Programs, College of Business Administration, University of Cincinnati, Cincinnati, Ohio
9/87-6/89	Director of Administration, Graduate Center for the Management of Advanced Technology & Innovation, College of Business Administration, University of Cincinnati
9/76-9/87	Associate Professor of Production/Operations Management Coll. of Bus. Admin., Univ. of Cincinnati
9/75-9/76	Associate Professor, Division of Management, School of Business and Organizational Sciences, Florida International University, Miami, Fla.
8/72-9/75	Assistant Professor, Div. of Mgmt., School of Bus. and Org. Sciences, Florida Intr'l. Univ., Miami, Fla.
8/71-6/72	Instructor, School of Bus. Admin., Menlo College, Menlo Park, Calif.

- 6/71-6/72 Research Specialist (large scale computerized regional systems modeling), Institute of Transportation and Traffic Engineering, Univ. of California, Berkeley, CA
- 8/64-9/70 Project leader (large scale space systems simulations for Projects Apollo, Viking, Pioneer, etc.), TRW Systems, Redondo Beach, Calif.
- 6/61-8/64 Group leader, Interplanetary and Lunar Studies Group (advanced aero- and astrodynamic studies for Telestar, Syncom, Tiros, etc. satellite projects), Douglas Aircraft Co., Santa Monica, California
- 1958-1961 Engineering summer work while in college for Hewlett-Packard, Dymec Corporation; Ampex Corp; Army Corps of Engineers

**Visiting Positions**

- 7/96-8/96 Visiting Professor, Helsinki School of Economics and Business Administration
- 2/94 Visiting Professor, Arizona State University
- 3/94 Visiting Professor, University of Colorado, Denver
- 5/94-6/94 Visiting Scholar, Computer-Integrated-Manufacturing Center, Aargau in Baden, Switzerland. [Activities included helping transfer computer technology from Swiss Senior Colleges of Engineering (Hohere Technische Lehranstalt Ingenieurschule, HTL) to small and medium-sized manufacturing firms, offering HTL seminars, meeting with Swiss Federal officials concerning technological and educational government policies, writing joint papers and exploring topics of mutual interest to the CIM center's staff, and coordinating with sister CIM centers at Basel and Fribourg on project management, economics, business strategy, human resources, and enterprise integration.]

**Courses Taught**

Operations Management	Principles of Operations Research	Statistics
Operations Planning and Control	Management and Organization	Systems Analysis
Operations Field Investigation	Mgmt. of Technology & Innovation	Materials Management
Small Business Management	Models in Operations Management	Policy Analysis
Operations Policy and Strategy	Manufacturing Materials and Processes	Project Management
Managerial Decision Making	Manufacturing Information Systems	Managerial Finance
Production Scheduling	Problems in Production Management	Politics in Organizations
Health Care Management	Work Design and Measurement	Information Systems
Service Sector Operations	Research Foundations & Paradigms	

**Professional Program Teaching**

- 1989 Pennsylvania State Univ., "Managerial Issues in Manufacturing Technology"
- 1985 General Electric Co., Aircraft Engine Business Group, "Business Management Workshop--Strategic Planning"
- 1979,81, and 82 Univ. of Cincinnati Executive Program
- 1979-81 "Strategic Planning", Carlisle Corp. Executive Seminars
- 1978 "Quantitative Decision Aids for Managers", Univ. of Cincinnati Professional Development Program
- 1973-76 "Health Care Management", Florida Intr'l. Univ. Extension Program

**Consulting and Professional Services**

- Comm. on Computer-Aided Manuf., Aluminum Co. of America, Pittsburgh, PA
- National Research Council, Washington, DC Warner-Amex Cablevision, Cincinnati, OH
- Institute of Advanced Manufacturing Spectrum Publishing Co., Cincinnati, OH

Sciences, Cincinnati, OH  
Illinois Institute of Technology, Chicago, IL  
Digital Equipment Corporation  
John Wiley & Sons, Inc, New York, NY  
Prentice-Hall, Inc., New York, NY

Educational Testing Service, Princeton, NJ  
Industrial Technology Institute  
Cincinnati Milacron, Cincinnati, OH  
Cedars of Lebanon Hospital, Miami, Florida  
American Express Corporation

### **Professional Affiliations**

Decision Science Institute  
American Production and Inventory Control Society  
Production/Operations Management Society  
EUROMA (European Ops. Mgt. Society)

IEEE Engineering Management Association  
The Institute of Management Sciences  
Project Management Institute

### **Awards and Honor Societies**

2011: Named Award: The Journal of Operations  
Management's Jack R. Meredith Best  
Paper Award  
2003 Distinguished OM Scholar Award, Academy  
of Management  
Texaco Scholarship (undergraduate engineering)

Cowan Research Prize: 2002, 2009  
Beta Gamma Sigma (Business)  
Tau Beta Pi (Engineering Honor Society)  
Pi Mu Epsilon (Mathematics)  
Pi Tau Sigma (Engineering)  
Bodine Award, Soc. of Manuf. Engr., (joint  
with PhD student)