

VITA

John J. Kanet
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EDUCATION

- 1967 B.S. in mechanical engineering, Lehigh University, Bethlehem, Pennsylvania.
- 1971 M.B.A., major in finance, Loyola College, Baltimore, Maryland.
- 1979 Ph.D. in business administration, Penn State University, University Park, Pennsylvania.

Major Field: Operations Management
Supporting Field: Quantitative Business Analysis
Outside Field: Computer Science

Dissertation: "Job Shop Scheduling to Meet Due Dates: A Simulation Study"

INDUSTRIAL EXPERIENCE

1967-1975 Employed by the Black & Decker Mfg. Co., Towson, MD. Most recent position was Manufactured and Purchased Materials Manager at B&D's largest plant in Hampstead, Maryland. Responsibilities included inventory planning of all assembly components and the scheduling and delivery of purchased parts. Previous positions were Manufacturing Project Manager and Manufacturing Project Engineer with responsibility for the efficient introduction of new products into manufacturing.

ACADEMIC AFFILIATIONS

- 2003-2017 Professor and Niehaus Chair in Operations Management, University of Dayton
A.W. Scheer Professor – Honorary Fellow, TUM Institute for Advanced Studies
- 1986-2002 Burlington Professor of Management, Clemson University
- 2001-2002 Senior Fulbright Scholar, University of Munich
- 1993-1994 Konrad Zuse Guest Professor, Univ. of Erlangen/Nürnberg and Univ. of Essen
- 1992-1993 Senior Fulbright Scholar, University of Essen
- 1991-1994 International Teaching Fellow, International Institute for Business Studies, Munich
- 1988(winter) Guest Professor, Institute for Advanced Studies, Vienna, Austria
- 1988(spring) Guest Professor, Dept. of Applied Stat., Vienna University of Economics
- 1983-1986 Associate Professor, Department of Business Analysis and Research, Texas A&M University

- 1984-1985 Senior Fulbright Scholar, Institute for Business Administration,
University of Erlangen/Nürnberg (West Germany)
- 1979-1983 Associate Professor, Assistant Professor, Department of Management,
University of Georgia
- 1975-1978 Instructor, Division of Management Science,
Pennsylvania State University

PROFESSIONAL AFFILIATIONS

American Production and Inventory Control Society (APICS)
German Society for Operations Research (GOR)
Institute of Supply Management (ISM)
Institute of Management Science (INFORMS)
Production and Operations Management Society (POMS)

HONORS AND AWARDS

Beta Gamma Sigma (honorary business fraternity)
Sigma Iota Epsilon (honorary management fraternity)
Certified Fellow of APICS
Best Article of the Year, *Production and Inventory Management*, 1983
Senior Fulbright Scholar, 1984-1985 (West Germany)
Bobbin Magazine Best Paper Award, 1989.
Senior Fulbright Scholar, 1992-1993 (Germany)
Best Paper Award, POMS-92 Third Annual Meeting
Senior Scholar Award for Excellence in Research
College of Business & Public Affairs, Clemson University, 1996-1997
Best Paper Award for conference track *Information Technology and AI*, SE InfORMS, 1997
Clemson University Alumni Award For Outstanding Achievement in Research, 1998
Best Paper Award conference track *Production and Operations Mgt.*, SEInfORMS 1999
Clemson University MBA Student Association "Professor of the Year", 1999-2000
Senior Fulbright Scholar, 2001-2002 (Germany)
Alexander von Humboldt Foundation Reimar Lüst-Prize for Research Achievement and
Fostering Scientific Cooperation between Germany and the US 2013
University of Dayton Faculty Alumni Award in Research 2014
Distinguished Service National Award for service to POMS, 2016

CONSULTING

AHP Havermann & Partner, Munich, FRG
American Software, Atlanta, GA
AT&T Labs, Holmdel, NJ
Dun & Bradstreet Software, Minneapolis, MN
Department of Industry, Science, and Technology, Commonwealth of Australia
Management Science America, Atlanta, GA
NCR Corp., Liberty, SC
Tennessee Eastman, Kingsport, TN
Borg-Warner Automotive, Seneca, SC

RESEARCH GRANTS AND CONTRACTS

1978-1979 "Job Shop Scheduling to Meet Due Dates: A Simulation Study," Ph.D. dissertation partially supported by the Manufacturing Consulting Division of Arthur Andersen (\$5800).

1982-1983 "Production Scheduling for Improved Productivity," research project partially supported by the University of Georgia, Faculty Research Grants Program (\$2000).

1986 "Computer-Aided Manufacturing Logistics," with R. Dattero, research project partially supported through the Texas A&M University, Faculty Research Awards Program (\$2000).

1987-1991 "Apparel Advanced Manufacturing Demonstration," Senior Management Department Investigator of cooperative research project between faculty of Textile Science, Computer Science, Mechanical Engineering, and Management (C. Jarvis and J. Peck, Principal Investigators). Awarded by the Defense Logistics Agency with matching State of South Carolina funding made this project the largest cash award in Clemson University history (Total Project Budget approximately \$5 million). Management Department responsibility was to investigate decision support approaches in integrating an analysis of strategic benefits with traditional financial capital budgeting methods for the justification of advanced technology for the U.S. apparel industry (3-year budget \$289,794).

1988-1990 "Production Planning for Quick Response in the Apparel Industry," Principal Investigator of project funded by the Defense Logistics Agency to investigate the use of branch-and-bound based search algorithms for solving combined planning and scheduling problems and to develop a prototype production planning system that uses these algorithms in an apparel manufacturing environment (2-year budget \$537,591).

1989 "Decision Support Systems for Manufacturing Planning," Principal Investigator, sponsored by Siemens Corporate Research Laboratory, Princeton, New Jersey. (\$15,000).

1991-1994 "Analysis of Non--Non-Delay Scheduling Methods," Principal Investigator of project funded by McDonnell Douglas Space Systems Division, Houston, TX, to investigate applications of tactically-delayed scheduling for NASA space programs (3-year budget \$30,000; extended in 1992 for \$35,000, and in 1993 for \$40,000).

1992-1994 "Deterministic Order Release Planning" Principal Investigator of project funded by the Decision Risk & Management Science Division of NSF to investigate the value of deterministic order release planning as an alternative to MRP-based production and inventory planning systems design (2-year budget \$185,861).

1992 "Computer Integrated Manufacturing Logistics," Principal Investigator, sponsored by the NCR Corp, Liberty, SC. (\$21,700).

October 8-9, 1993 "Industry-Academe Workshop on Manufacturing Logistics", Co-Chairman and Principal Investigator sponsored by the NSF (\$13,978); and private industry: AHP Havermann & Partner GmbH, Munich, FRG; NCR Computers, Liberty, SC; McDonnell Douglas Space Systems Company, Houston, TX; Robert Bosch Corporation, Charleston, SC; and IDS Prof. Scheer GmbH, Saarbrücken, FRG (\$18,500).

1993 "Computer Integrated Manufacturing Logistics Research" Principal Investigator, AHP Software, Inc., Atlanta, GA (\$65,000 software).

1995-1996 "Investigation of the Impact of ISO 14000 on Existing Firms in the I-85 Corridor," Co-Principal Investigator, sponsored by Clemson Center for Policy and Legal Studies (\$3000).

1995-1996 "Deploying Action-Based Learning in The Teaching Of Production Management," funded by the Pearce Center for Professional Communication, Teaching and Research Grants Program (\$3000).

1996-1997 "Computer Integrated Manufacturing Logistics," Co-Principal Investigator, Taylor Manufacturing Systems, Atlanta, GA (\$124,000 software).

1996-1997 "Informations- und Kommunikationssysteme als Gestaltungselement Virtueller Unternehmen (VU), cooperating partner with Prof. Dr. Peter Mertens, University of Erlangen/Nürnberg, funded by the Deutsche Forschungsgesellschaft (German NSF), one year, to study the information processing requirements for firms cooperating in a supply chain as if they were a "Virtual Enterprise."

1997-1998 "Information Technology as an Enabler of Entrepreneurship," Principal Investigator with W. Faisst, Univ.Erlangen-Nürnberg, (\$3000 Center for Policy Studies, Clemson University).

1997-1998 "Enhancing the Teaching of Operations Management at Clemson University Through Groupware Technology," Principal Investigator with L. Fredendall, V. Sridharan, (\$3000 Clemson University Technology Center Instructional Development Program).

1998 "Defining Quality for Heavy Truck Mirrors", Principal Investigator, (\$8983, Lang-Mekra, NA, Ridgeway, SC).

1998-1999 "Defining Quality for Heavy Truck Mirrors", Principal Investigator, (extended in 1999 for total of \$17,987, Lang-Mekra, NA, Ridgeway, SC).

2001 "Research in Manufacturing Logistics," unrestricted grant (\$2500, Lang-Mekra, NA Ridgeway, SC).

2007 "Implementing Problem Based Learning Via a Web-Based Simulation Game For Supply Chain Management," LTC Innovation Grant \$7,481.40, University of Dayton.

PUBLICATIONS AND PAPERS

Journal Articles (*Web of Science* citations as of March 2016)

1. Kanet, J. J., "Minimizing the Average Deviation of Job Completion Times about a Common Due Date," *Naval Research Logistics Quarterly*, Vol. 28, No. 4 (Dec. 1981), pp. 643-651. (195)
2. Kanet, J. J., "Minimizing Variation of Flow Time in Single Machine Systems," *Management Science*, Vol. 27, No. 12 (Dec. 1981), pp. 1453-1459. (137)
3. Kanet, J. J., "Anomalies in Dynamic Ratio Type Scheduling Rules: A Clarifying Analysis," *Management Science*, Vol. 28, No. 11 (Nov. 1982), pp. 1337-1341. (12)
4. Kanet, J. J., "A Mixed Delay Dependent Queue Discipline," *Operations Research*, Vol. 30, No. 1 (Jan./Feb. 1982), pp. 93-96. (6)

5. Kanet, J. J., and J. C. Hayya, "Priority Dispatching with Operation Due Dates in a Job Shop," *Journal of Operations Management*, Vol. 2, No. 3 (May 1982), pp. 167-176. (41)
6. Kanet, J. J., "Toward Understanding Lead Times in MRP Systems," *Production and Inventory Management*, Vol. 23, No. 3 (3rd Qtr. 1982), pp. 1-14. (11)
7. Baker, K. R., and J. J. Kanet, "Job Shop Scheduling with Modified Due Dates," *Journal of Operations Management*, Vol. 4, No. 1 (Nov. 1983), pp. 11-22. (87)
8. Baker, K. R., and J. J. Kanet, "Improved Decision Rules in a Combined System for Minimizing Job Tardiness," *International Journal of Production Research*, Vol. 22, No. 6 (Nov./Dec. 1984), pp. 917-921. (10)
9. Kanet, J. J., "Inventory Planning and Control at Black & Decker," *Production and Inventory Management*, Vol. 25, No. 3 (3rd Qtr. 1984), pp. 9-22. Reprinted in Jacobs, R. F. and V. A. Mabert, *Production Planning, Scheduling, and Control*, Industrial Engineering and Management Press, Atlanta, third edition 1986, pp. 237-249. (2)
10. Kanet, J. J., and D. P. Christy, "Manufacturing Systems with Forbidden Early Order Departure," *International Journal of Production Research*, Vol. 22, No. 1 (Jan./Feb. 1984), pp. 41-50. (25)
11. Kanet, J. J., and J. A. Miles, "Economic Order Quantities and Inflation," *International Journal of Production Research*, Vol. 23, No. 3 (May/June 1985), pp. 597-608. (1)
12. French, W., Henkel, J., Kanet, J.J., and J.B. Ford IV, "MRO Part Service in the Machine Tool Industry," *Industrial Marketing Management*, Vol. 14, No. 4 (Nov 1985), pp 283-288.
13. Mertens, P., and J.J. Kanet, "Expert Systems in Production Management: An Assessment," *Journal of Operations Management*, Vol.6, No.4 (Aug. 1986), pp. 393-404. (15)
14. Kanet, J. J., and R. G. Ramirez, "Optimal Stock Picking Decisions in Automatic Storage and Retrieval Systems," *OMEGA*, Vol. 14, No. 3 (1986), pp. 239- 244. (8)
15. Kanet, J. J., "Tactically Delayed Versus Non-Delay Scheduling: An Experimental Investigation," *European Journal of Operational Research*, Vol. 24, No. 1 (Jan 1986), pp. 99-105. (14)
16. Kanet, J. J., "Toward a Better Understanding of Lead Times in MRP Systems," *Journal of Operations Management*, Vol.6, No.3 (May 1986), pp. 305-315. (15)
17. Kanet, J. J., and H. H. Adelsberger, "Expert Systems in Production Scheduling," *European Journal of Operational Research*, Vol. 29, No. 1 (April 1987), pp. 51-59. (52)
18. Kanet, J. J., "Load - Limited Order Release in Job Shop Scheduling Systems," *Journal of Operations Management*, Vol.7, No.3 (Dec. 1988), pp.44-58. (35)
19. Kanet, J. J., "MRP-96: Time to Rethink Manufacturing Logistics," *Production and Inventory Management*, Vol. 29, No. 2 (2nd Qtr, 1988), pp. 57-61. (8)

20. Christy, D. P., and J. J. Kanet, "Open Order Rescheduling in Job Shops with Demand Uncertainty: A Simulation Study," *Dec. Sciences*, Vol. 19, No. 4 (Fall 1988), pp. 801-818. (11)
21. Kanet, J. J., and D. P. Christy, "Manufacturing Systems with Forbidden Early Shipment: Implications for Setting Manufacturing Lead Times," *International Journal of Production Research*, Vol. 27, No. 5 (May 1989), pp. 783-792. (18)
22. Schwarz, E., Kanet, J. J., and H. D. Leigh, "Quality Control Practices in the American Ceramic Industry: A Nationwide Survey," *Bulletin of The American Ceramic Society*, Vol.68, No.3, (Mar. 1989) pp.530-544. (2)
23. Davis, J. S., and J. J. Kanet, "Using Net Present Value for Investment Decisions in Apparel Manufacturing Technology," *Bobbin*, Vol. 31, No. 1 (Sept. 1989), pp.134-140.
24. Christy, D. P., and J. J. Kanet, "Manufacturing Systems with Forbidden Early Shipment: Implications for Choice of Scheduling Rules," *International Journal of Production Research*, Vol.28, No.1 (Jan 1990), pp.91-100. (16)
25. Kanet, J. J., and V. Sridharan, "The Leitstand: A New Tool for Shop Scheduling," *Manufacturing Review*, Vol. 3, No. 3 (September 1990), pp. 161-170. (10)
26. Adelsberger, H. H., and J. J. Kanet, "The Leitstand -- A New Tool for Computer-Integrated Manufacturing," *Production and Inventory Management*, Vol. 32, No. 1, (First Quarter, 1991), pp. 43-48. (10)
27. Kanet, J. J., and V. Sridharan, "PROGENITOR, A Genetic Algorithm for Production Scheduling," *WIRTSCHAFTSINFORMATIK*, Vol. 33, No. 4 (August, 1991), pp. 332-336. (17)
28. Kanet, J. J., "The Leitstand: Real Decision Support for Production Scheduling and Control," *P&IM Review*, Vol. 11, No. 9 (September, 1991), pp. 24-25.
29. Davis, J. S., and J. J. Kanet, "Single-Machine Scheduling with Early and Tardy Completion Costs," *Naval Research Logistics*, Vol. 40 (1993) pp. 85-101.(72)
30. Kanet, J. J., and Z. Zhou, "A Decision Theory Approach to Priority Dispatching for Job Shop Scheduling," *Production and Operations Management*, Vol. 2, No.1, Winter 1993, pp. 2-14. (35)
31. Karnes, C. and J. J. Kanet, "How the Apparel Industry Measures Up to Quality Standards," *Quality Progress*, Vol. 27, No. 2 (February, 1994), pp. 24-29.
32. Davis, J. S., and J. J. Kanet, "Developing an Application-Specific Interactive System Based on a Spreadsheet Package," *Journal of Systems and Software*, Vol. 25, No. 2 (May, 1994), p. 201-206. (4)
33. Karnes, C., Sridharan, V., and J. J. Kanet, "Measuring Quality from the Consumer's Perspective: A Methodology and an Application," *International Journal of Production Economics* Vol. 39, 1995, pp.215-225. (5)
34. Davis, J.S. and J. J. Kanet, "Production Scheduling: An Interactive Graphical Approach," *The Journal of Systems and Software*, Vol. 38, No. 2, 1997, pp.155-163. (5)

35. Davis, J. S., and J. J. Kanet, "Apparel Manufacturing Capital Investment Advisor," *International Journal of Clothing Science and Technology*, Vol. 76, No. 6, 1996, p. 50.
36. Kanet, J. J., "Weaving Advanced Manufacturing Technology into the Fabric of the Business," *Research•Technology Management*, Vol. 41, No. 6 (Nov-Dec 1998), pp. 49-55.
37. Kanet, J. J., and V. Sridharan, "The Value of Using Scheduling Information in Planning Material Requirements," *Decision Sciences*, Vol. 29, No. 2, spring 1998, pp. 479-498. (11)
38. Balakrishnan, R., Kanet, J. J., and V. Sridharan, "Early/Tardy Scheduling with Sequence Dependent Setups on Parallel, Non-Identical Machines," *Computers and Operations Research*, Vol. 26, No. 2, 1999, pp.127-141. (53)
39. Kanet, J. J., Faisst, W., and P. Mertens, "Application of Information Technology to a Virtual Enterprise Broker: The Case of Bill Epstein," *International Journal of Production Economics*, Vol. 62, 1999, pp.23-32. (27)
40. Kanet, J. J., and V. Sridharan, "Scheduling with Inserted Idle Time: Problem Taxonomy and Literature Review," *Operations Research*, Vol. 48, No.1 (Jan-Feb 2000), pp.99-110. (70)
41. Kanet, J. J. and A. R. Cannon, "Implementing Supply Chain Management: Lessons Learned at Becton Dickinson," *Production and Inventory Management*, Vol. 41, No.2 (2nd Q 2000), pp. 33-40. (4)
42. Bai, X., Davis, J. S., Kanet, J. J., Cantrell, S., and J. W. Patterson, "Schedule Instability, Service Level and Cost in a Material Requirements Planning System," *International Journal of Production Research*, Vol. 40, No. 7 (May 2002), pp.1725-1758. (8)
43. Barut, M., Faisst, W., and J. J. Kanet, "Measuring Supply Chain Coupling: An Information System Perspective," *European Journal of Purchasing and Supply Management*, Vol. 8, 2002, pp. 161-171. (25)
44. Kanet, J. J., and M. Barut, "Deploying Problem-Based Learning in the Teaching of Production Management," *Decision Sciences Journal of Innovative Education*, Vol. 1, No. 1 (2003), pp. 1-20. (10)
45. Kanet, J. J., and X. Li, "A Weighted Modified Due Date Rule for Sequencing to Minimize Weighted Tardiness," *Journal of Scheduling*, Vol. 7, No. 4 (July/August 2004), pp. 261-276. (22)
46. Kanet, J. J., "Mean Flowtime and Inventory in Production Systems: A Finite Time Analogue to Little's Law," *International Journal of Production Economics*, Vol. 91 (Sept 2004), No.1, pp. 37-46. (3)
47. Gorman, M. F., and J. J. Kanet, "Evaluating Operations Management-Related Journals Via The Author Affiliation Index", *Manufacturing and Service Operations Management*, Vol. 7, No. 1 (Winter 2005), pp. 3-19. (25)
48. Gorman, M. F., and J. J. Kanet, "Evaluating Operations Management-Related Journals Via The Author Affiliation Index -- Do Professors at Top US Business Schools Do What They Say?," *Manufacturing and Service Operations Management*, Vol. 9, No. 1 (Winter 2007), pp. 51-53. (12)

49. Kanet, J. J., "New Precedence Theorems for One-Machine Weighted Tardiness," *Mathematics of Operations Research*, Vol. 32, No. 3 (August 2007), pp.579-588. (7)
50. Ferratt, T. W., Gorman, M. F., Kanet, J. J., and W. D. Salisbury, "IS Journal Quality Assessment Using the Author Affiliation Index," *Communications of the AIS*, Vol. 19 (2007), pp.710-724. (7)
51. Ferratt, T. W., Gorman, M. F., Kanet, J. J. and W. D. Salisbury, "Assessing Journal Quality Assessment: AAI and Journal Quality Lists," *Communications of the AIS*, Vol. 19 (2007), pp. letter 9-letter 13.
52. Kanet, J. J., and M. Stößlein, "Using a Supply Chain Game to Effect Problem-Based Learning in an Undergraduate Operations Management Program", *Decision Sciences Journal of Innovative Education*, Vol. 6 (2008), No. 2, pp. 287-295.
53. Stößlein, M., and J. J. Kanet, "Developing Undergraduate Student Research Experiences in Operations Management," *Decision Sciences Journal of Innovative Education*, Vol. 6 (2008), No. 2 pp. 495-502.
54. Gorman, M. F., and J. J. Kanet, "Formulation and Solution Approaches to the Rail Maintenance Gang Scheduling Problem," *Journal of Transport Engineering*, Vol. 136, No. 8 (August 2010), pp. 701-708. (7)
55. Kanet, J. J., Gorman, M. F., and M. Stößlein, "Dynamic Planned Safety Stocks for Production Planning," *International Journal of Production Research*, Vol. 48, No. 22 (2010), pp. 6859-6880. (11)
56. Kanet, J. J., and X. Li, "Consolidating Theoretical Results for Weighted Tardiness Scheduling," *International Journal of Advanced Operations Management*, Vol. 1, No. 4 (2009), pp. 352-362.
57. Kanet, J. J. and M. Stößlein, "Integrating Production Planning and Control: Toward a Simple Model for Capacitated ERP," *Production Planning and Control*, Vol. 21, No. 3 (April 2010), pp. 286-300. (5)
58. Li, X., Sridharan, V., Kanet, J. J., and Y. Zhang, "Job Due-Date Assignment with Earliness and Tardiness Penalties and Stochastic Arrival and Service Times," *International Journal of Advanced Operations Management*, Vol. 3 No. 2, (2011), pp. 141-152.
59. Gorman, M. F. and J. J. Kanet, "Toward a Better Understanding of the Bullwhip Effect," *Production and Inventory Management Journal*, Vol. 47, No. 1 (2011), pp. 33-42.
60. Gorman, M. F. and J. J. Kanet, "A Survey-Based Evaluation of Transportation Research Journal Quality," *Transportation*, Vol. 50, No. 4 (2011), pp. 390-415. (3)
61. Gorman, M. F., Kanet, J. J., and D. Christ, "Evaluating Transportation Research Journal Quality with AAI," *Transportation*, Vol. 50, No.4, pp. 370-389. (2)
62. Harrod, S., and J. J. Kanet, "Applying Work Flow Control in Make-to-Order Job Shops", *International Journal of Production Economics*, Vol. 143 (2013), pp. 620-626. (5)

63. Kanet J. J. and C. Birkemeier, "Weighted Tardiness for the Single Machine Scheduling Problem; An Examination of Precedence Theorem Productivity," *Computers & Operations Research*, Vol. 40 (2013), pp. 91-97.
64. Stößlein, M., Kanet, J. J., Gorman, M. F., and S. Minner, "Time-Phased Safety Stocks Planning and its Financial Impacts: Empirical Evidence based on European Econometric Data," *International Journal of Production Economics*, Vol. 149, (2014), pp. 47-55.
65. Kanet, J. J., "One-Machine Sequencing to Minimize Total Tardiness: A Fourth Theorem for Emmons," *Operations Research*, Vol. 62 (2014), pp.345-347. (1)
66. Kanet, J. J., "Toward Controlling the *Planning* of Operations: An Accounting Scheme For Planned Inventory," *Journal of Management Policy and Practice*, Vol. 15, No. 5, 2014, pp.54-64.
67. Kanet, J. J., Della Croce, F., Koulamas, C., and V. T'kindt, "Erratum: One Machine Sequencing to Minimize Total Tardiness: A Fourth Theorem for Emmons," *Operations Research* (forthcoming).
68. Ferratt, T, Hall, S., and J. Kanet, "Out of the Fog – Understanding Alternative Major/Career Choices," (forthcoming in *Communications of the Association for Information Systems*).
69. Kanet, J. J. and C. E. Wells, "An Examination of Job Interchange Relationships and Induction-based Proofs in Single Machine Scheduling," (forthcoming in *Annals of Operations Research*). IF = 2.64
70. Stößlein, M. and J. J. Kanet, "Undergraduate Research Experiences: Identifying Lessons Learned and Challenges for Business Schools,"(forthcoming in *International Journal of Management Education*). IF = 1.11
71. Barut, M., Soares, M. A., Procópio de Araujo, A. M., and J. J. Kanet, "Problem-Based Learning in Accountancy: An Empirical Study," (forthcoming in *IOSR Journal of Research & Method in Education*). IF = 1.179

Book Chapters

- "Enhancing Manufacturing Planning and Control Systems Through Artificial Intelligence Techniques," with R. Dattero, and E. White, Chapter 7 of *Knowledge-Based Systems in Manufacturing*, (A. Kusiak, ed.), Taylor and Francis, London, 1989, pp. 137-150.
- Sridharan, V., and J. J. Kanet, "PPS -- State of the Art and New Directions," in *Information Management in Computer Integrated Manufacturing*, (Adelsberger, Lazansky, and Marik, ed.) Springer-Verlag, Berlin, 1995.
- Kanet, J. J., S. L. Ahire, and M. F. Gorman, "Ch. 47: Constraint Programming for Scheduling," *Handbook of Scheduling: Algorithms, Models, and Performance Analysis* (Joseph Y.-T. Leung, editor), CRC Press, Boca Raton, FL, 2004, pp. 47.1 – 47.21.

Conference Proceedings and Papers

"A Warehouse Stock Selection Strategy for Minimizing Transaction Costs," American Institute for Decision Sciences 1977 Conference Proceedings, Chicago, IL, 1977, pp. 384-385.

"The Effects of Setting Operation Due Dates on Job Shop Performance," American Institute for Decision Sciences 1979 Conference Proceedings, New Orleans, LA, 1979, pp. 416-418.

"On the Advisability of Operation Due Dates," American Production and Inventory Control Society 23rd Annual Conference Proceedings, Los Angeles, CA, 1980, pp. 355-357.

"A Critical Look at Critical Ratio," American Production and Inventory Control Society 24th Annual Conference Proceedings, Boston, MA, 1981, pp. 182-184.

"Designing Lead Times for MRP Inventory Management Systems," Proceedings Academy of Management, San Diego, CA, 1981, pp.327-331.

"Toward Understanding Planned Lead Times," Repetitive Manufacturing Seminar Proceedings, American Production and Inventory Control Society, Las Vegas, NV, 1981, pp. 45-50.

"A Simplified Approach to Economic Order Quantities Under Inflation," with J.A. Miles, American Institute for Decision Sciences 1982 Conference Proceedings, San Francisco, pp. 79-81.

"Job Shop Scheduling with Modified Due Dates," with K.R. Baker, Proceeding 18th Annual Meeting of Southeastern Chapter of The Institute of Management Sciences (Vol. XII), Myrtle Beach, SC, 1982, pp. 150- 153.

"Active Versus Non-Delay Scheduling Methods," 6th European Congress on Operations Research, Vienna, July 19-22, 1983.

"Inventory Planning Systems for Spare/Service Parts," American Production and Inventory Control Society 26th Annual International Conference Proceedings, New Orleans, 1983, pp.83-87.

"A Comparison of Allowance Methods in Manufacturing Systems," with D. P. Christy, American Institute for Decision Sciences 1983 Conference Proceedings, San Antonio, TX, 1983, pp. 646-648.

"Setting Operation Due Dates in a Job Shop," with K.R. Baker, American Institute for Decision Sciences 1983 Conference Proceedings, San Antonio, TX, 1983, pp. 649-650.

"Job Shop Scheduling with Stochastic Due Dates," with D. P. Christy, TIMS/ORSA joint national meeting, San Francisco, 1984.

"Expert Systems in Production Scheduling," 7th European Congress on Operations Research, Bologna, Italy, June 16-19, 1985.

"Production and Inventory Management - An Emerging Profession," American Production and Inventory Control Society 28th Annual International Conference Proceedings, Toronto, Canada, Oct. 22-25, 1985, pp. 629- 631.

"Microcomputer Aided Capacity Planning Using Animated Color Graphics," American Production and Inventory Control Society 1986 Fall Seminar Proceedings, Orlando, Fla., Sept. 8-10, 1986.

"An Alternative to MRP-Based Manufacturing Logistics Systems," with R. Dattero, Proceedings of the Southeast Institute of Management Science 22nd Annual Meeting, Myrtle Beach, SC, Oct. 9-10, 1986, pp.84-85.

"Fifth Generation Manufacturing Resource Planning: The Coming Revolution in Manufacturing Logistics," American Production and Inventory Control Annual International Conference Proceedings, St. Louis, MO, Oct. 20-24, 1986, pp.10-12.

"Economic Batch Scheduling in Single Machine Systems," ORSA/TIMS Joint National Meeting, Miami, FL, Oct. 27-29, 1986.

"Order Splitting in Inventory Planning Systems," with M. Park, TIMS/ORSA Joint National Meeting, New Orleans, LA, May 4-6, 1987.

"Beyond MRP-II," American Production and Inventory Control Society Logistics Conference & Technical Exhibit, Dallas, TX, May 11-14, 1987.

"Fifth-Generation Manufacturing Control," Proceedings for International Conference on Expert Systems and the Leading Edge in Production Planning and Control, Charleston SC, May 10-13, 1987, pp.313-326 (Reprinted in Intelligent Manufacturing, M. D. Oliff, ed., Benjamin/Cummings Publishing Co., Menlo Park, CA, 1988, pp.277-290).

"Decision-Making in Operations Management Using Net Present Value: Opportunities for Research," with R. A. Jacobs, American Institute for Decision Sciences 1988 Conference Proceedings, Las Vegas, NV, 1988, pp.1072-1074.

"An Alternative Approach to Manufacturing Logistics," with R. Dattero, AFCET EURO/TIMS Joint International Conference, Paris, France, July 6-8, 1988.

"Justification of Advanced Technology in the Apparel Industry," with J. Steve Davis, Managing Technology for Competitive Effectiveness, OMA Annual Conference Proceedings, Columbus, OH, May 20-12, 1989, pp. 27-36.

"The Leitstand -- A New Tool in Computer-Aided Manufacturing Scheduling," with H. H. Adelsberger, Proceedings of the Third ORSA/TIMS Conference on Flexible Manufacturing Systems, (Stecke and Suri, ed.) Elsevier, Amsterdam, 1989, pp. 231-236.

"Resource Scheduling Using an Electronic Leitstand: An Assessment," with V. Sridharan, Proceedings of the SETIMS Annual Conference, Myrtle Beach, Oct 5-7, 1989, pp.376-378.

"Measuring Manufacturing Performance: Implications for Research and Practice," Proceedings of the 5th International Conference of the Operations Management Association UK, Warwick, June 26-27, 1990, pp. 318-336.

"On the Value of Scheduling Information in Order Release Planning," with V Sridharan, Proceedings of the SETIMS Annual Conference, Myrtle Beach, Oct 4-5, 1990, pp 189-191.

"Anwendungssoftware für die Produktion in den USA -- aktueller Stand und Perspektiven für die 90er Jahre," Proceedings of the Fachtagung 'Anwendungssoftware der 90er Jahre,' sponsored by the University of the Saarland and the Ausschuß für Fertigung e.V., Saarbrücken, FRG, April 25-26, 1991.

"Der Blick über die Grenzen. Internationale Perspektiven für die PPS-Weiterentwicklung in den neunziger Jahren," Proceedings of the PPS 91 Congress, sponsored by the Ausschuß für Fertigung e.V., Böblingen, FRG, November 6-8, 1991.

"Deterministic Order Release Planning," (with V. Sridharan), POM-91, Second Annual Meeting of the Production and Operations Management Society, New York, November 10-13, 1991.

"Leitstands and Production Scheduling," (with V. Sridharan), POM-91, Second Annual Meeting of the Production and Operations Management Society, New York, November 10-13, 1991.

"A Methodology for Determining Competitive Priorities for Manufacturers," (with C. Karnes and V. Sridharan), Proceedings of the SE Decision Sciences Meeting, Atlanta, GA, February 19-21 1992, pp. 303-306.

Kanet, J. J., and V. Sridharan, "Tactically-Delayed Scheduling: A New Definition, Taxonomy, and Review," POM-92, Third Annual Meeting of the Production and Operations Management Society, Orlando, October 18-21, 1992.

Kanet, J. J., and Z. Zhou, "A Decision Theory Approach to Priority Dispatching for Job Shop Scheduling," POM-92, Third Annual Meeting of the Production and Operations Management Society, Orlando, October 18-21, 1992, (selected to receive "Best Paper" Award).

Kanet, J. J., "Economics-Based Performance Measurement for Manufacturing Planning Systems," Eighth International Working Seminar on Production Economics, Innsbruck, Austria, February 21-25, 1994.

Kanet, J. J., "Shareholder Value in Manufacturing Planning and Control: Linking Manufacturing and Corporate Performance," Operations Strategy and Performance, First International Conference of the European Operations Management Association, University of Cambridge, June 27-29, 1994, pp. 367-372.

Sridharan, V., Kanet, J. J., and Z. Zhou, "Tactically Delayed Scheduling in a Resource Constrained Job Shop," EURO XIII / OR 36, Glasgow, Scotland, July 19-22, 1994.

Kanet, J. J., and C. R. Emery, "Using Net Present Value to Evaluate MRP Lead Times," Proceedings of the SETIMS 30th Annual Meeting, (R.Sumichrast, ed.), Sept. 1994, pp. 369-371.

Zhou, Z., Sridharan, V., and J. J. Kanet, "Job Shop Scheduling Using Arrival Time Information to Minimize Tardiness," Proceedings of the SETIMS 30th Annual Meeting, (R.Sumichrast, ed.), Sept., 1994, pp. 348-350.

Kanet, J. J., and C. R. Emery, "A Shareholder Value Procedure for Analyzing Planned Lead Times in MRP Systems," APICS Education and Research Foundation Program Proceedings, Oct., 1994, pp.59-62.

Lenhartz, C., and J. J. Kanet, "Net Present Value Based Decision Support in Operations Planning and Scheduling," Proceedings of the SETIMS, Myrtle Beach SC, Oct 5-6, 1995, pp. 325-327.

Kanet, J. J., and V. Sridharan, "Scheduling with Inserted Idle Time: Problem Taxonomy and Literature Review," American Institute for Decision Sciences 1996 Conference Proceedings Orlando, FL, pp. 1517-1519.

L. Fredendall, and J. J. Kanet, "The Potential Impact of ISO 14000 on U.S. Industry," American Institute for Decision Sciences 1996 Conference Proceedings Orlando, FL, p.1324.

Kanet, J. J., and M. Barut, "Deploying Problem-Based Learning in the Teaching of Production Management" Proceedings of the SE InfORMS, Myrtle Beach SC, Oct 2-3, 1997, pp. 104-106.

Kanet, J. J., and W. Faisst, "The Role of Information Technology in Supporting the Entrepreneur for a Virtual Enterprise: A Life-Cycle-Oriented Description," Proceedings of the SE InfORMS, Myrtle Beach SC, Oct 2-3, 1997, pp. 219-221.

Barut, M., Faisst, W., and J. J. Kanet, "An Analysis Tool for Measuring a Firm's Degree of Supply Chain Coupling" Proceedings of the SE InfORMS, Myrtle Beach SC, Oct 2-3, 1997, pp. 256-258.(This paper won the "Best Paper" award for the conference track *Information Technology and AI*).

Kanet, J. J., "Another Little Word on the Relation Between Flowtime and Inventory," Proceedings of the SE InfORMS, Myrtle Beach SC, October 1-2, 1998 (CD-ROM).

Kanet, J. J., "New Dominance Properties for One-Machine Sequencing to Minimize Job Tardiness," Decision Sciences Institute 1998 Proceedings, Nov. 21-24, 1998, pp. 1459-1461.

Bertould, N., and J. J. Kanet, "Defining Quality for the Rear View Mirror Industry," POM-99, Tenth Annual Meeting of the Production and Operations Management Society, Charleston, SC, March 20-23, 1999.

Holsenback, J. E., R. M. Russell, and J. J. Kanet, "New Precedence Relationships for the Single Machine, Total Tardiness Problem," Proceedings of the SE InfORMS, Myrtle Beach SC, Sept. 30-Oct. 1, 1999 (CD-ROM). (This paper won the "Best Paper" award for the conference track *Production and Operations Management*).

Cannon, A. R. and J. J. Kanet, "Flexibility Investment and Performance: An Exploratory Study," paper presented at the SE InfORMS annual conference, Myrtle Beach SC, Oct. 5-6, 2000.

Kanet, J. J., "Some New Dominance Properties for One-Machine Sequencing for Minimum Job Tardiness," Decision Sciences Institute 2000 Proceedings, Nov. 19-21, 2000, pp. 1031-1033.

Kanet, J. J., and X. Li, "Further Developments In A Decision Theory Approach To Job Shop Scheduling," paper presented at the 12th International Working Seminar on Production Economics, Igls, Austria, Feb. 18-22, 2002.

Kanet, J. J., "New Precedence Theorems For One-Machine Sequencing for Minimum Job Tardiness," paper presented at the Eighth International Workshop on Project Management and Scheduling, Valencia, April 3-5, 2002.

Ahire, S. L., and J. J. Kanet, "Constraint Programming Applications in Planning and Scheduling," POM-2003, Annual Meeting of the Production and Operations Management Society, Savannah, GA, April 4-7, 2003.

Kanet, J. J., "Precedence Theorems for One Machine Weighted Tardiness," Operations Research 2003: International Conference on Operations Research, Heidelberg, Sept. 3-5, 2003.

Li, X., and J. J. Kanet, "On Adjacent Job Precedence," 10th International Conference on Industry, Engineering, and Management Systems, Cocoa Beach, Florida, March 15-17, 2004, pp. 345-351.

Ahire, S. L., Kanet, J. J., Gorman, M. K., and P. Wagner, "A Process Model of Successful Operations Management Program Development," POM 2nd World Conference, Cancun, MX, April 28-May 3, 2004.

Gorman, M. F., and J. J. Kanet, "Ranking Journals in Operations Management via the Author Affiliation Index" POM 2nd World Conference, Cancun, MX, April 28-May 3, 2004.

Kanet, J. J., "Developing International Learning Experiences in Operations Management," POM 2005, Sixteenth Annual Conference of POMS, Chicago, IL, April 29-May 2, 2005.

Kanet, J. J. and M. Stößlein, "Problem-Based Learning – Lessons Learned from an Undergraduate Operations Management Program," 18th Annual POMS Conference, Dallas, TX, May 4-6, 2007.

Stößlein, M., and J. J. Kanet, "Developing Undergraduate Student Research Experiences in Operations Management," 18th Annual POMS Conference, Dallas, TX, May 4-6, 2007.

Kanet, J. J. and M. Stößlein, "Advanced Planning with Capacity-adjusted Requirements – A Decentralized Approach for Small and Medium Enterprises," 22nd European Conference on Operational Research, Prague, July 8-11, 2007.

Kanet, J. J., Gorman, M. F., and M. Stößlein, "Time Phasing Safety Stocks for Production Planning" 19th Annual POMS Conference, La Jolla, CA, May 9-12, 2008.

Gorman, M. F., and J. J. Kanet, "Toward a Better Understanding of the Bullwhip Effect," 21st Annual POMS Conference, Vancouver, BC, May 7-10, 2010.

Harrod, S., and J. J. Kanet, "Inventory Performance of Work Flow Control Methods in Make-to-Order Job Shops," 16th International Symposium on Inventories, Budapest HU, August 23-27, 2010.

Kanet, J. J., "Weighted Tardiness for the Single Machine Scheduling Problem: An Examination of Precedence Theorem Productivity," International Conference on Operations Research, Munich, DE, September 1-3, 2010.

Kanet, J. J., "Optimizing Cell Scheduling," Armed Forces Communications and Electronics Association (AFCEA) Technical Conference, Dayton, OH, October 19, 2011.

Kanet, J. J., "Toward Controlling the Planning of Operations: A Classification Scheme for Planned Inventory," APICS International Conference & Expo, Pittsburgh, PA, October 22, 2011.

Kanet, J. J. and H.-U. Küpper, "Ethics in Operations and Supply Management," OR 2012: International Annual Conference of the German OR Society, Leibniz Universität Hannover, Sept. 5, 2012.

Kanet, J. J. and P. Letmathe, "Analysis of Planned Inventory and Related Costs from a Decision Making Perspective," OR 2012: International Annual Conference of the German OR Society, Leibniz Universität Hannover, Sept. 6, 2012.

Kanet, J. J., "Applying Excel Analytics to Manufacturing Cell Scheduling," APICS International Conference & Expo, Denver, CO, October 13, 2012.

Kanet, J. J. and P. Letmathe, "Inventory Decisions from a Cost Management Perspective," Production and Operations Management Society annual conference, Denver CO, May 4-6, 2013.

Kanet, J. J., "Smart Sequencing – an Innovative Tool for a Simpler Process," APICS International Conference & Expo, Orlando, FL, September 30, 2013.

Harrod, S. and J. J. Kanet, "Performance Characteristics of Flowshops with Work Flow Control," INFORMS Annual Meeting, Minneapolis, MN, October 10, 2013.

Kanet, J. J., Andris, R.-J., Gahm, C., and A. Tuma, "Enhanced Precedence Theorems for the One-Machine Total Tardiness Problem," *Proceedings of the 14th International Conference on Project Management and Scheduling*, TUM School of Management, Munich, March 30-April 2, 2014, pp. 120-123.

Kanet, J. J., "Trading off Inventory, Capacity, Tardiness, and Planned Lead Time in JIT Manufacturing," *27th European Conference on Operational Research*, University of Strathclyde, Glasgow, 12-15 July 2015.

Kanet, J. J., and C. Gahm, "Job Shop Scheduling with Full Lot Streaming," *International Conference on Operations Research*, Vienna, September 4, 2015.

Kanet, J. J., "Setting Bin Sizes for 2-Bin Inventory Control Systems," *Decision Sciences Annual Meeting*, Seattle, WA, November 22, 2015.

Kanet, J. J., Gahm, C, and A. Tuma, "Decision-Theory-Based Sequencing," 4th World Conference on Production and Operations Management, Havana, Cuba, Sept. 6-10, 2016.

Invited Presentations

"On the Advisability of Operation Due Dates," Seminar on Case Studies in Production and Inventory Control, American Production and Inventory Control Society, Atlanta, GA, 1981, pp.6-8.

"Problems of Due Dates Setting in Job Shop Scheduling," Seminar für Allgemeine und Industrielle Betriebswirtschaftslehre, Universität zu Köln, Cologne, West Germany, July 1983.

"Inventory Planning Systems for Spare/Service Parts," Service Parts Seminar Proceedings, American Production and Inventory Control Society, Orlando, FL, 1983, pp. 66-75.

"Manufacturing Scheduling," a series of invited lectures, Institute for Advanced Studies, Vienna, Nov. 19-29, 1984.

"Inventory Planning & Control," a series of invited lectures, Institute for Advanced Studies, Vienna, July 1-11, 1985.

"Performance Measurement in Manufacturing", a special tutorial presented at the 30th Annual Conference of the American Production and Inventory Control Society, St. Louis, MO, Oct. 19-23, 1987.

"Expert Systems in Production Management: An Assessment," 2nd International Conference on Expert Systems and the Leading Edge in Production Planning and Control, Charleston, SC, May 1988.

"Computer Integrated Manufacturing," a special presentation sponsored by the Vienna Chamber of Commerce, Vienna, Austria, June 1988.

"Manufacturing Planning and Control: Grabbing the Right Handle," APICS Region III Conference "Achieving Manufacturing Excellence Today," Columbus, OH, September, 1988, repeated at the APICS 31st International Conference in Las Vegas, NV, October 1988.

"Computer-Aided Production Planning and Scheduling", a series of invited lectures, Institute for Advanced Studies, Vienna, Austria, Nov/Dec 1988.

"Manufacturing Systems for the 1990's: North America, Europe, Japan" a special panel discussion of the 32nd International Conference of the American Production and Inventory Control Society, Orlando, FL, October 23-27, 1989.

On October 6, 1992, Inaugural lecture at the newly-established Computer Integrated Manufacturing Education program at the Czech Technical University in Prague, Czech Republic.

"CIM -- The Challenge and the Methods," at the "Informatics in CIM" program sponsored by the EEC's "Tempus" project held at the University of West Bohemia in Pilsen, Czech Republic, October 7, 1992.

"Anwendung der elementaren Entscheidungstheorie in der Fertigungsplanung," at the Christian Doppler Laboratory for Expert Systems, Technical University of Vienna, November 20, 1992.

"Decision Support Systems for Production Planning and Control," Invited Lecture in CIM Know-how Transfer into Industrial Practice program, Czech Technical University, Prague, Feb. 8, 1993

"Performance Measurement in Manufacturing Planning: An Application for Shareholder Analysis," invited lecture, IBM Research Enhancement Lecture Series, Penn State University, University Park, PA, September 16, 1994.

Kanet, J. J., W. Faisst, and P. Mertens, "Application of Information Technology for the Broker in a Virtual Enterprise," paper presented at the annual meeting of the Deutsche Forschungsgesellschaft (German National Science Foundation), Berlin, February 25, 1997.

Kanet, J. J., "New Dominance Properties For One-Machine Sequencing To Minimize Job Tardiness," Operations Research Colloquium, Penn State University, University Park, PA, October 30, 2000.

Kanet, J. J., "New Technology Demands New Models and New Software: An Agenda for Research in Models for Automated SCM/APS," SAP 2001 Inaugural Research and Applications Congress, San Diego, CA, Feb 19-20, 2001.

Kanet, J. J., "New Precedence Theorems for One Machine Weighted Tardiness," *Scheduling in Computer and Manufacturing Systems*, Seminar of the International Research Center for Computer Science, Schloss Dagstuhl, Wadern, Germany, May 31 - June 4, 2004, (Repeated by invitation at University of Siegen, June 29, 2004, University of Kiel, July 1, 2004.)

Kanet, J. J., "Introduction to Supply Chain Management, A Controlling Perspective," invited lecture, Institute for Production and Controlling, University of Munich, July 6, 2007.

Kanet, J. J., "On Various Controlling Issues in Production and Inventory Planning and Scheduling (PIPS): an Operations Management Viewpoint," invited lecture, Institute for Production and Controlling, University of Munich, July 11, 2008.

Kanet, J. J., "Toward 'Controlling' the Planning of Operations: The Classifying of Planned Inventory," invited presentation, Institute for Production and Controlling, University of Munich, July 16, 2008.

Kanet, J. J., "Time Phasing Safety Stocks for Production Planning," invited presentation, University of Munich Center for Advanced Management Studies, July 17, 2008.

Kanet, J. J., "Toward Controlling the *Planning* of Operations: A Classification Scheme for *Planned* Inventory," Ludwig-Maximilians-Universität Institute for Production and Controlling Doktorandenseminar, Unterach am Attersee, Austria, October 13-15, 2010.

Kanet, J. J., "A Basic Input-Output Model of JIT Manufacturing," Presentation for Department of Technical Service and Operations Management, Technical Universität München, December 16, 2010.

Kanet, J. J., "On Using Precedence Relations in One-Machine Sequencing to Minimize Tardiness," Invited lecture, University of Augsburg, June 26, 2013.

Kanet, J. J., "Extending Emmons's Theorems to Moving Three or More Jobs," Invited lecture, University of Augsburg, July 2, 2013.

Kanet, J. J., Andris, R., C. Gahm, and A. Tuma, "Progress in Developing Enhanced Precedence Theorems for $1||\Sigma T_j$," University of Augsburg, June 3, 2014.

Kanet, J. J. Research Seminar: "Further Developments for Enhanced Precedence Theorems for $1||\Sigma T_j$," Technical University of Munich, June 25, 2014.

Kanet, J. J. Guest Lecture: "A Gentle Introduction to Scheduling Theory", Technical University of Munich, July 2, 2014.

Kanet, J. J., Gahm, C., Andris, R., and A. Tuma, "On Time by Design: The Research Behind Production Scheduling," *University of Dayton 6th Annual STARS Symposium*, September 17, 2015.

Kanet, J. J., "Decision Theory-based Sequencing," Guest Lecture PhD Workshop, University of Augsburg, July 13, 2016.

Other Publications

Kanet, J. J., "Deploying Action-Based Learning in the Teaching of Production Management: In Search of Something Better," *Communications across the Curriculum*, Clemson University, April 1996, pp. 3-5.

WORK IN PROGRESS

Manuscripts

Kanet, J. J., "Single Machine Scheduling via Decision Theory," (in progress).

Kanet, J. J., "Setting Bin Sizes for Two-Bin Inventory Control Systems" (in progress).

Kanet, J. J., Andris, R., Gahm, C., and A. Tuma: "New Developments in Precedence Theorems for $1 \mid \Sigma T_j$," (under revision).

Kanet, J. J., Heider, S. and J. Heins, "Introducing Operations Research into the practice of scheduling self-directed work cells in manufacturing," (under review with *INTERFACES* since October, 2016)

Proposals

Kanet, J. J., "Continuous Lot Streaming in Job Shop Scheduling," research proposal to CIES Fulbright Program, two years (~\$6000), submitted March 12, 2016.

PROFESSIONAL SERVICE ACTIVITIES

Associate Editor, *Surveys in Operations Research and Management Science* (2014-)

Editor, *OMA Newsletter*, Operations Management Association (1988-1993)

Functional Editor for Production and Operations Management INTERFACES (- 1988)

Area Editor, *Production and Operations Management* (1992-2000)

Member, *Production and Inventory Management* Best Article Award Committee (1985-1989)

Member, Editorial Advisory Board, *Journal of Operations Management*

Member, Editorial Review Board, *Journal of Operations Management*

Member, Publications Policy Board, *The OMA Review* (1988-1993)

Member, Editorial Advisory Board, *International Journal of Productivity and Quality Management* (2005-)

Member, Editorial Review Board, *Production & Inventory Management Journal* (2008-)

Referee for *European Journal of Operations Research*, *International Journal of Production Research*, *Journal of Operations Management*, *Management Science*, *Operations Research*, *Decision Sciences*

Assessor for Australian Research Grants Scheme

Reviewer for German Fulbright Commission Selection Committee for German students applying for Fulbright Grants to the U.S. (1985/1986)

Session Chairman, paper session "Special Topics in Job Shop Scheduling," 1984 TIMS/ORSA Joint Natl. Mtg., San Francisco

Member, Program Advisory Committee for POM-89, TIMS College on Production and Operations Management

Session Chairman, invited paper session "Real Time Production Scheduling Systems," 1991 ORSA/TIMS Joint Natl. Mtg., Nashville, TN

Track Chair for Production Scheduling, POM-91, annual meeting of the Production and Operations Management Society, New York

Session Chairman, invited paper session "Real Time Interactive Production Scheduling Systems," POM-91, annual meeting of the Production and Operations Management Society

Selection Committee Member for German students applying for Fulbright Grants to the U.S. (1992/1993)

International Advisory Board, Decision Sciences Institute International Meeting, Sydney Australia, 20-23 July 1997

Assessor for Research Grants Council of Hong Kong ('97, '99, '05, '06, '08)

Session Chairman, special panel session "International Operations Management: Where is it Headed," 37th annual meeting of SE InfORMS, Myrtle Beach SC, Oct. 1-2, 1998

International Program Committee, European Simulation Multiconference (ESM'99), Warsaw, June 1-4, 1999

Session Chairman and Participant, Special Panel Session: "International POM (IPOM) -- Where is it Headed," POM-99, Tenth Annual Meeting of the Production and Operations Management Society, Charleston, SC, March 20-23, 1999

Session Chairman and Participant, Invited Session: "Tools, Models, and Procedures for Planning and Scheduling," POM-2003, Annual Meeting of the Production and Operations Management Society, Savannah, GA, April 4-7, 2003

Session Chairman and Participant, Invited Session: "Single-Machine Scheduling," Operations Research 2003, Annual International Conference of the German Operations Research Society, Heidelberg, Germany, Sept. 2-5, 2003.

Session Chairman and Organizer, "Emerging Scholars in POM," a special half-day session for providing career advice to untenured faculty in the field of POM, POM 2nd World Conference, Cancun, MX, April 28 - May 3, 2004.

Conference Program Chair, POM 2nd World Conference, Cancun, MX, April 28- May 3, 2004.

Program Chairman and Organizer, "Emerging Scholars in POM," a special half-day session for providing career advice to untenured faculty in the field of POM, POMS National Conference, Chicago, IL, April 28 - May 2, 2005.

Session Chair, "Mixed Approaches for Enriching OM Learning," POMS National Conference, Chicago, IL, April 28 - May 2, 2005.

Program Chairman and Organizer, "Emerging Scholars in POM," a special half-day session for providing career advice to untenured faculty in the field of POM, POMS National Conference, Dallas, TX, May 4-6, 2007.

Session Chair, "Undergraduate Education," POMS National Conference, Dallas, TX, May 4-6, 2007.

Masters Degree Dissertation Examiner for Mr. Modise Tladi, Department of Statistical Sciences, University of Cape Town, 2007.

Program Chairman and Organizer, "Emerging Scholars in POM," a special half-day session for providing career advice to untenured faculty in the field of POM, POMS National Conference, La Jolla, CA, May 9-12, 2008.

Program Chairman and Organizer, "Emerging Scholars in POM," a special half-day session for providing career advice to untenured faculty in the field of POM, POMS National Conference, Vancouver, BC, May 7-10, 2010.

Program Chairman and Organizer, "Emerging Scholars in POM," a special half-day session for providing career advice to untenured faculty in the field of POM, POMS National Conference, Reno, NV, April 29 – May 2, 2011.

Program Chairman and Organizer, "Emerging Scholars in POM," a special half-day session for providing career advice to untenured faculty in the field of POM, POMS National Conference, Denver, CO, May 3-5, 2013.

Program Chairman and Organizer, "Emerging Scholars in POM," a special half-day session for providing career advice to untenured faculty in the field of POM, POMS National Conference, Atlanta, GA, May 9-12, 2014.

Program Chairman and Organizer, "Emerging Scholars in OR," a special half-day session for providing career advice to untenured faculty in the field of Operations Research, Business Analytics and Operations Research International Conference, Aachen, Germany, September 2-5, 2014.

Program Chairman and Organizer, "Emerging Scholars in POM," a special half-day session for providing career advice to untenured faculty in the field of POM, POMS National Conference, Washington, DC, May 7-11, 2015.

Program Chairman and Organizer, "Emerging Scholars in OR," a special half-day session for providing career advice to untenured faculty in the field of Operations Research, Business International Conference on Operations Research, Vienna, Austria, September 1-4, 2015.

Program Chairman and Organizer, "Emerging Scholars in POM," a special half-day session for providing career advice to untenured faculty in the field of POM, POMS National Conference, Orlando, FLA, May 6-9, 2016.

Member, Ph.D. Dissertation Committee, Dr. Martin Tritschler, Technical University of Munich. Oral defense completed July 11, 2016.

Member, Ph.D. Dissertation Committee, Mr. Ralf Andris, University of Augsburg. Oral defense scheduled for August 2017.

Member, Habilitation Review Committee, Dr. Christian Gahm, University of Augsburg. Oral defense scheduled for Fall 2017.

Member, Board of Directors, American Production and Inventory Control Society (APICS), Dayton Chapter, 2016-