

# CURRICULUM VITAE

## Michael J. Magazine

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### **Education:**

City College of New York	B.S., Mathematics
New York University	M.S., Operations Research
University of Florida	M.Eng., Industrial Engineering
University of Florida	Ph.D., Operations Research

### **Current Position:**

Professor and Ohio Eminent Scholar (1995-present)  
Department of Operations and Business Analytics  
Carl H. Lindner College of Business Administration  
University of Cincinnati

Adjunct Professor (2000-present)  
Dept. of MIE  
College of Engineering  
Univ. of Cincinnati

### **Previous Positions:**

Cincinnati Children's Hospital and Medical Centre (2006)- Quality Improvement Consultant-Responsible for working with teams of medical providers and administrators to improve patient flow and eliminate waste throughout the hospital.

TechSolve (2006)- Senior analyst-Responsible for developing supply chain practice for State sponsored consulting company for small and mid-sized companies in Ohio

Professor (1982-1995)  
Department of Management Sciences  
Faculty of Engineering  
University of Waterloo

Visiting Professor (1994)

Graduate School of Business  
University of Michigan  
Ann Arbor, Michigan

Visiting Professor (1991-1992)  
Sloan School of Management  
Massachusetts Institute of Technology  
Cambridge, Massachusetts

Visiting Professor (1986-1987)  
School of Industrial and Systems Engineering  
Georgia Institute of Technology  
Atlanta, Georgia

Associate Professor (1975-1982)  
Department of Management Sciences  
University of Waterloo  
Waterloo, Ontario, CANADA

Visiting Scientist (1982)  
INRIA  
Rocquencourt, FRANCE

Visiting OAS Professor (1972)  
PUC  
Rio de Janeiro, BRAZIL

Assistant Professor (1969-1975)  
Department of Industrial Engineering  
North Carolina State University  
Raleigh, North Carolina

**Administrative Positions:**

**Interim Dean, College of Business, University of Cincinnati (2004-2005).**

**Associate Dean for Faculty and Research, College of Business, University of Cincinnati (2002-2004).**

**Coordinator of Masters and Doctoral Program, Department of Quantitative Analysis and Operations Management, College of Business, University of Cincinnati (1999-2002).**

**Chair, Department of Management Sciences, University of Waterloo (1982-1993).**

**Honors:**

Best Paper Award, Decision Sciences, 2014  
INFORMS Fellow

UC Graduate School Fellow  
 MSOM Distinguished Service Award  
 Alpha Pi Mu; Sigma Xi; Beta Sigma Pi  
 Best Paper Award, IIE Transactions, 2003  
 EXCEL Award for Best Graduate Teacher, College of Business, UC  
 Nominated for UC Distinguished Professor Award  
 Nominated for UC Rieveschl Award

**Boards:**

**University of Cincinnati:**

Goering Center for Family and Private Business  
 Real Estate Center

**Other:**

TechSolve  
 Ovation Theatre

**Publications:**

**Accepted :**

Rosales, C. Magazine, M. and Rao, U. *The 2-bin System for Controlling Medical Supplies at Point-of-Use*, to appear in EJOR

**Appeared:**

Ferrand, Y., Magazine, M. and Rao, U. (2014) *Managing Operating Room Efficiency and Responsiveness for Emergency and Elective Surgeries – A Literature Survey*, IIE Transactions on Healthcare, Vol 4, No. 1, 49-64, 2014

Ferrand, Y., Magazine, M. and Rao, U. (2014) *Partially Flexible Operating Rooms For Elective and Emergency Surgeries*, Decision Sciences, Vol 45(5), 819-847, 2014

Rosales, C. Magazine, M. and Rao, U. (2014) *Point-of-Use Hybrid Inventory Policy for Hospitals*, Decision Sciences, Vol 45(5), 913-937, 2014 [**This paper was awarded the best paper in the DSJ for 2014**]

Froehle, C, Magazine, M. (2013) *The State of Healthcare in OR/OM*, MSOM. Vol14, 4, 495-499

- Froehle, C, Magazine, M. (2013) *Improving Patient Flow in the Outpatient Clinic Environment*, Chapter in Handbook of Healthcare Operations Management: Methods and Applications, Springer Press, 2013
- Hall, N., Magazine, M. (2011) "Sequencing and Scheduling", *Encyclopaedia of Management Science and Operations Research*, Kluwer, 2011
- Ferrand, Y., Magazine, M., Rao, U (2011) *Building Cyclic Schedules for Emergency Department Physicians*, Interfaces, November/December 2011 vol. 41 no. 6 521-533
- Cohn, A., Magazine, M, Polak, G (2009) *Integrating Circuit Board Manufacturing by Branch and Price*, NRL, 56(3), 215-225
- Camm, J., Magazine, M., Polak, G., Zaric, G. (2008) *Scheduling Parallel Assembly Lines to Minimize a Shared Pool of Labor*. IIE Transactions, 40(8), 749-758
- Magazine, M., Williams, S. (2007) *Heuristic approaches for batching Jobs in printed circuit board assembly*. Computers and OR, 37(7), 1943-1962
- Magazine, M., Williams, S.(2007) *An experimental design comparison of four heuristic approaches for batching jobs in printed circuit board assembly*. Academy of Information and Management Sciences Journal, 10(2), 19-38
- Fry, M., Magazine, M., Rao, U. (2006). *Firefighter Staffing with Temporary Absences and Wastage*. Operations Research, 54(2), 353-365.
- Magazine, M., Graman, G. (2006) *Factors Influencing the Decision to Adopt a Postponement Strategy*. IJOPM. 26(10), 1068-1083
- Magazine, M., Kulkarni, S., Raturi, A. (2005). *On the Tradeoffs Between Risk Pooling and Logistics Costs in a Multi-Plant Network with Commonality* IIE, 37(3), 247-265
- Magazine, M., Grosfeld-Nir, A. (2005). *A Simulation Study of Pull Systems with Ascending/Descending Buffers*. IJPR, 43(17), 3529-3541
- Magazine, M., Kulkarni, S., Raturi, A. (2004). *How Does Risk Pooling Impact Manufacturing Configuration*. POMS. 13(2), 186-199
- Magazine, M., Polak, G. (2003). *Job Release Policy and Printed Circuit Board Assembly* IIE. 35(4),379-387 (**winner of IIE Manufacturing Paper Award for 2003**)
- “Gated Max WIP: A Strategy for Controlling Multistage Production Systems”, with A. Grosfeld-Nir, IJPR,v40-11,2557-2567, 2002
- “A Numerical Analysis of Capacitated Postponement”, with G. Graman, POM, v11-3,340-357,2002

“A Multi-exchange Neighborhood Search Heuristic for PCB Manufacturing”, with G. Polak and D. Sharma, *Jnl of Electronic Mfg*, v11-2, 107-119, 2002

“Optimal Block Design Models for Course Timetabling”, with K. Baker and G. Polak, *OR Letters*, 30, 1-8, 2002

“Scheduling Product Families with Due Dates,” (with Ken Baker), *EJOR.*, vol 127, pp 126-139, 2000

“Push and Pull Strategies for Controlling Multi-Stage Production Systems” (with Andrew VanBerkel and Avi Grosfeld-Nir), *IJPR.*, vol 38-11, pp 2361-2375, 2000

"Production System Design and Control Issues in the Implementation of a Factory Within a Factory," (with Ken Doerr), *IJOPM*, vol 20-1, pp 85-102, 2000

“Synchronous Unpaced Flow Lines with Worker Differences and Overtime Costs”, (with K. Doerr and T. Klastorin), *Mgt Sci*, vol 46-3, pp 421-435, 2000.

"Scheduling Cohorts" (with Geo. Polak, Ken Baker and Yuelin Shen), MSOM Proceedings, Ann Arbor, MI, June, 2000, also appeared in Proceedings of the Latin American OR Societies 2000 Conf., Mexico City, Mexico, Sept 2000.

“An Analysis of Postponement Capacity” (with G. Graman), Proceedings of the MSOM Conference, Seattle, WA. 1998.

***Quantitative Models in Supply Chains*** , (with Sridhar Tayur and Ram Ganeshan), Kluwer Press, 1999.

"Comparison of Neural and Heuristic Methods for a Timetabling Problem" (with Helmut Mausser), *EJOR*, 93(1996), 271-287.

"Sequencing and Scheduling", *Encyclopedia of Management Science and Operations Research*, Kluwer, 1996.

"The Evolution of Draft Lotteries in Professional Sports: Back to Moral Hazard" with (H. Mausser and Y. Gerchak), *Interfaces* Vol 26-5, 1995.

"Application of an Annealed Neural Network to a Timetabling Problem" (with H. Mausser and J.B. Moore), *ORSA Jnl on Computing*, 1996, Vol.8, No.2

"Maximizing the Value of a Space Mission" (with Nick Hall), *EJOR*, Vol. 78, No. 2 (1996), pp. 224-241.

"Production Rates for Unpaced Production Lines with Tandem Work Stations and Parallel Service Facilities" (with K. Steckel), *Perf Eval.*, Vol 25, 1996, pp 211-232

"Due Date Assignment to Multi-job Customer Orders" (with U. Bagchi and F. Julien), *Mgt.Sci.*, Vol. 40, No. 10 (1994), pp. 1389-1392.

"Generalized Preemption Models for Single Machine Dynamic Scheduling Problems" (with F. Julien and N. Hall), *IIE Transaction*, (1996).

"A Stability Concept for Zero-One Programming and Its Implications" (with O. Oguz), *INFOR*, Vol 33, No. 2, 1995.

"Batching in Manufacturing Systems" (with C. Santos), submitted for publication.

"Batching in a Single Versatile Machine" (with C. Santos), submitted for publication.

"The Meaning of 'Equivalence' among Scheduling Performance Measures" (with Yigal Gerchak), *EJOR*, Vol. 70 (1994), pp. 432-435.

"Batching and Sequencing of Components at a Single Facility" (with C. Santos and R.G. Vickson), *IIE Transactions*, Vol. 25, No. 2 (1993), pp. 65-70.

"A Closed-Form Solution to a Class of Quadratic Knapsack Problems", *INFOR*, Vol. 30, No. 1, Feb. 1992.

"A Case Against Software Patents" (with R. Conway), *OR/MS Today*, Feb. 1991 (non-refereed).

"Scheduling Customer Orders: An Alternative Production Scheduling Strategy" (with F. Julien), *Journal of Manufacturing and Operations Management*, Vol. 3, No. 3 (1991), pp. 177-199.

"Batch Sizing and Job Sequencing on a Single Machine" (with E. Coffman, C. Santos and M. Yannakakis), *Annals of Operations Research*, Vol. 26, pp. 135-147 (1990).

"Efficient Algorithms for Line Balancing Problems" (with S. Hackman and T.S. Wee), *Operations Research*, Vol. 37, No. 6 (1989).

"Component Commonality with Service Level Requirements" (with Y. Gerchak and B. Gamble), *Management Science*, Vol 34, No. 6 (1988), pp. 753-760.

"Sequencing Insertions on Printed Circuit Board Assembly" (with M. Ball), *Operations Research Special Issue on Manufacturing*, Vol. 35, No. 2 (1988), pp. 192-201.

"A Warning About the Cyclic Lot Scheduling Problem with Sequence Dependent Set-up Times" (with M. Carter and T-S. Moon), *IJPR*, Vol. 26, No. 7 (1986), pp. 1281-1283.

"Simulation and Analysis of a Circuit Board Manufacturing Facility" (with J.A. Buzacott and S. Shevell), *Proceedings of the 1986 Winter Simulation Conference*, Washington, D.C., December 1986, pp. 686-693.

"Batching and Sequencing Decisions for Single Machine Production Problems" (with C. Santos and R.G. Vickson), to appear in the *Proceedings of the IFIP Conference on Advances in Production Management Systems*, 1986.

"KANBAN/JIT -- The Scheduling and Data Processing Impact" (with K.N. McKay, J.A. Buzacott and J.B. Moore), *CIPS Review*, (Sept-Oct 1986), pp. 15-18.

"The Effect of Commonality on Safety Stock in a Simple Inventory Model" (with K. Baker and H. Nuttle), *Management Sciences*, Vol. 32, No. 8 (1986), pp. 982-988.

"An Interactive Heuristic Approach for Multiobjective Integer Programming Problems" (with D. Gabbani), *Jnl of Operational Research Society* (1986).

"Batching in Single Operation Manufacturing Systems" (with C. Santos), *OR Letters*, Vol. 4, No. 3 (October 1986).

"Analysis of the Probabilistic Performance of Bin Packing Heuristics" (with H.L. Ong and T-S. Wee), *OR*, Vol. 32, No. 5 (1984), pp. 983-999.

"An Efficient Branch and Bound Algorithm for an Assembly Line Balancing Problem -- Part II: Maximize the Production Rate" (with T-S. Wee), University of Waterloo Research Report, 1984.

"An Efficient Branch and Bound Algorithm for an Assembly Line Balancing Problem -- Part I: Minimize the Number of Work Stations" (with T-S. Wee), University of Waterloo Research Report, 1984.

"Assembly Line Balancing as Generalized Bin Packing" (with T-S. Wee), *OR Letters*, Vol. 1, No. 2 (1984), pp. 56-58.

"A Heuristic Algorithm for the Multidimensional Zero-One Knapsack Problem" (with O. Oguz), *EJOR*, Vol. 16, No. 3 (1984), pp. 319-325.

"Polynomial Approximation Algorithms for Multidimensional Knapsack Problems" (with M.S. Chern), *Math of OR*, Vol. 9, No. 2 (1984), pp. 244-258.

"Optimality of Intuitive Checkpointing Policies," *Info. Proc. Letters*, Vol. 17, No. 2 (1983), pp. 63-66. (Also in *INRIA Seminaires*, 1982.)

"A Fully Polynomial Approximate Algorithm for the Zero-One Knapsack Problem" (with O. Oguz), *EJOR*, Vol. 8 (1982), pp. 270-273.

"The Worst-Case Bound for b-Set Covering Problem and Its Generalizations" (with M. Chern), *Proceedings of the 1981 Int'l Symposium on Policy Analysis and Information Systems*, 1981.

"Design and Analysis of Heuristics" (with M. Ball), in Proceedings of the 1979 Conference on Routing and Scheduling, *Networks*, Vol. 11, No. 2 (1981).

"Myopic Heuristics for Single Machine Scheduling Problem" (with S.Beshara), *Int'l Jnl of Production Research*, Vol. 19, No. 1 (1981), pp. 85-95.

"On Optimal Stopping Rules in Sequential Search" (with J.O.A. Ayeni), *Jnl of Comp. Sci.*, Vol. 1, No. 1 (February 1981), pp. 20-29.

"The Number of States in a Class of Serial Queueing Systems," *Fibonacci Quarterly*, Vol. 19, No. 1 (February 1981).

"Generalization of Bin Packing Heuristics to the Line Balancing Problem" (with T-S. Wee), University of Waterloo Research Report, 1980.

"Integer and Heuristic Programming," *Proceedings of the 1978 IFORS Meeting*, 1980, pp. 897-900.

"The Problem Solving Studio," *INFOR*, Vol. 18, No. 2 (May 1980), pp. 220-227.

*Proceedings of Discrete Optimization - 1977*, Editorial Associate, North Holland, 1979.

"A Heuristic Algorithm for Single Variable Sequential Search with Prior Information" (with J.O.A. Ayeni), *IEEE Transactions on Systems, Man and Cybernetics*, Vol. 9, No. 4 (April 1979), pp. 246-249.

"What's Wrong with OR Education -- II," *Interfaces*, Vol. 9, No. 1 (1978), pp. 87-89.

"An Algorithm for the Dynamic Lot Size Problem with Time Varying Capacity Constraints" (with K. Baker, P. Dixon and E. Silver), *Management Science*, Vol. 24, No. 16 (December 1978), pp. 1710-1720.

"Heuristics for Unbalancing Serial Production Lines" (with E. Silver), *International Journal of Production Research*, Vol. 16, No. 3 (1978), pp. 169-181.

"A Two-Phase Algorithm for the 0-1 Knapsack Problem" (with O. Oguz), University of Waterloo Research Report, 1977.

"What's Wrong with OR Education -- Panel Discussion," *Interfaces* (September 1977), pp. 92-101.

"Workforce Scheduling with Cyclic Demands and Day-Off Constraints" (with K.R. Baker), *Management Science*, Vol. 24, No. 2 (October 1977), pp. 161-167.

"Scheduling a Patient Transportation Service in a Hospital," *INFOR* (June 1977), pp. 242-254.

"A Catalog of Research in Design and Control of Queueing Systems," *Operations Research* (May 1977), pp. 219-232.

"Long Division: An Example of When the Greedy Algorithm Solves a Class of Knapsack Problems," *IE Transactions* (February 1976), pp. 283-285.

"Evaluation of a Social Agency," report written for the North Carolina Department of Urban Affairs, 1975.



"A Combinatorial Approach for Predicting Remaining Effort in Branch and Bound" (with R. Coppins), University of Waterloo Research Report, 1975.

"Bellman's Principle of Optimality," *Encyclopedia of Computer Science and Technology* (1975), pp. 230-236.

"When the Greedy Solution Solves a Class of Knapsack Problems" (with G. Nemhauser and L. Trotter), *Operations Research* (March 1975), pp. 207-217.

"A Survey of Research on Optimal Design and Control of Queues" (with T.B. Crabill and D. Gross), OR Report No. 88, North Carolina State University, September 1973.

"An Optimal Procedure for Allocating Manpower with Cyclic Requirements" (with K.R. Baker and T.B. Crabill), *IE Transactions* (June 1973), pp. 119-126.

"A Mathematical Programming Model for Contraceptive Delivery Systems" (with F.J. Gould), *Socio-Economic Planning Sciences* (June 1971), pp.255-261.

"Control of Multi-Server Queueing Systems," *Naval Research Logistics Quarterly* (June 1971), pp. 177-183.

"Average Cost Criterion in Markov Decision Processes," Operations Research Report, North Carolina State University, August 1970.

"Optimal Control of Queueing Systems under Periodic Review," Operations Research Report, North Carolina State University, March 1970.

### **Research in Progress:**

"Electric Vehicle Adoption for a Taxicab Fleet Environment", with Uday Rao and Saravanan Kuppusamy (submitted to POMS)

"Outpatient Flow Performance Metrics" (with Craig Froehle, Ken Klassn, Steve Lawrence, Linda Laganga and Denise White)

"Demand Pooling and Transshipment". (with George Polak and James Hamister)

"Demand weighted vehicle routing problem" (with S. Kuppusamy, K. Martin, and J. Camm), (submitted to EJOR)

"Improving Patient Flow in an Outpatient Clinic" (with Denise White)

"A Simulation Study with Pull Systems and Gamma Processing Times" (with Avi-Grosfeld Nir)

"Supply Chain Design for the Triple Bottom Line" (with Mike Fry and Zach Gillerlain)

“Hybrid Sourcing and Joint Replenishment of Medical Supplies” (with Uday Rao and Claudia Rosales) (submitted to IJPR)

“Building a schedule for an outpatient clinic” (with Mike Platt and Craig Froehle)

“Outpatient Patient Flow” (with Craig Froehle)

### **Book Reviews**

Powell, S., R. J. Batt. 2008. **Modeling for Insight: A Master class for Business Analysts**. John Wiley and Sons, Hoboken, New Jersey., *Interfaces*, 2009

Winston, W. 2010 **Mathletics**, Princeton Press, Princeton, NJ, *Interfaces*, 2011

### **Funded Grants and Contracts:**

Principal Investigator, Contract with Alien Technologies, “Business Case for RFID”, \$65,300, 2007

Co-investigator, Faculty Development Grant, “Mentoring New Faculty”, \$53,000, 1997

Co-investigator, Faculty Development Grant, “Train the Trainer”, \$3,500, 1997.

Principal Investigator, Research Challenge Grant, “Managing Supply Chains”, \$65,000, 1997

Co-investigator, Canadian Studies Program Development Grant, Canadian Studies Program at the University of Cincinnati, \$5,500, 1997.

Principal Investigator, Faculty Development Grant, "Supply Chain Simulator," 1996, \$5000.

Co-investigator, NSERC Strategic Grant, "Supply Chain Management", 1993-1996, \$113,000/year.

Principal Investigator, NSERC Operating Grant, "Scheduling in Modern Manufacturing", 1992-1995, \$42,000/year.

Principal Investigator, NSERC Operating Grant, "Batching in Industrial Scheduling Problems", 1989-92, approx. \$40,000/year.

Researcher, Centres of Excellence in Manufacturing, Manufacturing Research Corporation of Ontario, 1988-1992, \$267,980/year.

Co-investigator, NSERC Strategic Grant, "Modelling and Implementation of JIT Cells", 1989-92, \$73,000/year.

Co-investigator, NSERC Strategic Grant, "Robust Planning and Scheduling," 1987-90, \$87,520/year.

Co-investigator, NSERC Infrastructure Grant, "WATMIMS -- The University of Waterloo Research Group in the Management of Integrated Manufacturing Systems," 1987-90, \$44,701/year. 1990-93, \$37,750/year. 1993, \$25,000. 1994-1996, \$15,000/year.

Co-investigator, NSERC Strategic Grant, "Planning and Operation of Integrated Manufacturing Systems," 1984-87, \$73,000/year.

Principal Investigator, NSERC Operating Grant, "Heuristics in Industrial Scheduling," 1986-89, approx. \$36,000/year.

Recipient, NSERC Travel Grant, 1982, \$1,500.

Principal Investigator, NSERC Operating Grant, "Approximation Algorithms for Scheduling Problems," 1980-83, approx. \$23,000/year.

Principal Investigator, NSERC Operating Grant, "Heuristics in Industrial Engineering Scheduling Problems," 1977-80, approx. \$13,000/year.

Principal Investigator, NSERC Operating Grant, "Optimization Problems in Industrial Stochastic Service Systems," 1976-77, \$7,000.

Principal Investigator, University of Waterloo, "Optimization of Stochastic Systems with Industrial Applications," 1975-76, \$2,550.

Participant, NSF Summer Institute, "Mathematical Models for Environmental Problems," 1973.

Principal Investigator, NSF Research Initiation Grant, "Optimization of Multi-server Queueing Systems," 1971-72, \$16,000/year.

### **Seminars and Conference Presentations:**

Numerous (over 100) presentations at conferences, seminars and academic institutions.

“Managing Hospital Supplies-Impact of Technology in Supply Chains” (with Claudia Rosales) DSI, 2011, Special Featured Session

Supply Chain Hot Topics , UC event (2004-present) Industry seminar, Coordinator with Uday Rao and Mike Fry

Pulmonary Ground Rounds “Flexibility in Healthcare Delivery” (with Craig Froehle)

MIT Executive Management Shortcourse on Materials Management in Supply Chains

INFORMS Cincinnati-Dayton Chapter Talk on Materials Management in Supply Chains

CORS Plenary Talk on Materials Management in Supply Chains

UCEP and CQM Presentations on the Beer Game and the Bullwhip effect

Beer Game, Kellogg Corporation, 2011

### **Current Research Interests:**

Operations models for health care delivery; supply chain management for goods producing and service organizations; production and scheduling in manufacturing systems; heuristics and approximation algorithms in operations research; commonality in inventory systems; strategic issues in manufacturing; quantitative analysis in sports.

### **Courses Given:**

Bracketology  
 Quantitative Analysis in Sports-Sports by the Numbers  
 Case Studies in Quantitative Analysis  
 Healthcare Modelling (Winter 2007)  
 Doctoral Program Foundations Seminar  
 Seminar in Supply Chain Management  
 Problem Solving Studio  
 Decision Models  
 Operations Planning and Scheduling  
 Operations Management  
 Workshop in Total Quality Management  
 Deterministic Models in Operations Research  
 Probabilistic Models in Operations Research  
 Management Sciences Applications  
 Dynamic Programming  
 Scheduling in Production Engineering  
 Heuristics and Approximation Algorithms  
 Optimization Models  
 Seminar on Knapsack Problems  
 Seminar on Probabilistic Analysis of Algorithms

### **Other Teaching Activities:**

Directed Readings in Heuristic Search  
 Directed Readings in IS and Health Care  
 Directed Readings in OM and Health Care  
 Directed Readings in OR and Health Care

Developer of the "Problem Solving Studio" -- a teaching workshop to teach problem solving.  
 Developer of the first University of Waterloo engineering course by correspondence.  
 Taught on GENESIS (remote television).  
 Directed numerous undergraduate projects.  
 Reader or examiner on numerous Master's and Ph.D. theses.  
 Consistent course evaluations in the top 5% of faculty

### **Graduate Student Supervision:**

Supervised 2 Post-doctoral fellows, 18 Ph.D. students and 34 Master's students.  
 Currently supervising 3 Ph.D. students and 2 masters student.

### **Professional Memberships:**

Institute for Operations Research and Management Science (INFORMS)  
 POMS  
 Council of Logistics Management  
 APICS  
 American Society of Engineering Educators  
 The Institute of Industrial Engineering  
 SABRE

### **Selected Society Activities**

2013-2015	Member, INFORMS , Philip Morse Lectureship Award
2008-2011	Member, INFORMS Fellows Selection Committee
2006	Member, POMS Nomination Committee
2002	Chair, M&SOM Editorial Search Committee
2001 - 2002	President of Cincinnati-Dayton INFORMS Chapter
1997 - 1999	VP-International Activities, INFORMS
1996 - 1999	Member, Executive Committee, INFORMS, Cincinnati
1996 - 1997	Member, CLM Roundtable
1995 - 1996	President, INFORMS Section on Manufacturing and Service Operations Mgt. (Founding president)
1994 - 1995	Ad Hoc Committee for new OM Journal, TIMS/ORSA
1990 - 1993	Member, TIMS Council
1989 - 1992	Member, Industrial Engineering Grant Selection Committee, Natural Sciences and Engineering Research Council of Canada (NSERC).
1989 - 1990	Chair, ORSA Lanchester Prize Committee
1988 - 1989	Member, ORSA Lanchester Prize Committee
1986 - 1987	Chair, ORSA Ad-hoc Outreach
1985 - 1986	Member, Long Range Planning Committee of ORSA
1983 - 1986	Chair, ORSA Affiliated Professional Activities Committee
1983 - 1986	Member of Council for ORSA

1982 - 1994	Member, Canadian Federation of Deans of Management and Administrative Studies (Representative of the University of Waterloo)
1981 (May)	Program Chair, CORS/ORSA/TIMS Meeting
1978 - 1980	Chair, Membership Committee of ORSA
1977 - 1978	Chair, ORSA Demographic Sub-committee
1977	Member, ORSA Nominating Committee
1976 - 1980	Member, Council of Canadian Operations Research Society
1976 - 1981	Liaison between CORS and ORSA
1975 - 1976	Chair, Student Affairs Committee of ORSA
1975	Chair, Student Paper Competition for ORSA

### **Recent University of Cincinnati Service**

Chair, IS Search Committee, 2012  
 Member, IS Search Committee, 2012-2013  
 Member, College RPT Committee 2013-2014  
 Chair, College Research Committee, 2012-2014  
 Member, University Research Committee, Pathway A, 2012-2014  
 Chair, University Graduate Fellows Lecture Committee, 2012-2014  
 Academic Affairs Committee, UC, 2011-2012  
 Provost Academic Advisory Committee, 2011-2012  
 Elected representative, College of Business, UC PhD programs, 2011  
 Graduate Fellows New Member and Presentations Committees (2008-present)-University  
 Director, doctoral program (2006-2010)-OBA  
 RPT, College alternate-CoB  
 Research Committee, Chair (2010-present)-CoB  
 Dean's Search Committee (2009-2010)  
 Committee Member, Doctoral Committee. (September 2007 - Present)-CoB.  
 Research Officer. (January 2007 - Present)-CoB.  
 2019 Committee on Metrics  
 2019 Committee on RPT  
 2019 Committee on Discovery  
 Committee Chair, Team 5-Faculty Issues. (January 2007 - 2009).  
 Chair, RPT Document Committee (2007-2009)  
 Committee Member, Research Officers. (January 2007 - Present).  
 Committee Member, University Research Committee. (January 2007 - Present).  
 Taskforce to support graduate education (2008)

### **Consulting Activities:**

Cincinnati Children's Hospital Medical Center, Cincinnati, OH  
 Mayfield Clinic, Cincinnati, OH  
 Nationwide Hospital, Columbus, OH  
 Xtek, Cincinnati, OH

O’Cedar Corporation, Springfield, OH  
 Ontario CAD/CAM Centre, Cambridge, Ontario  
 Ontario Council of Graduate Studies, Toronto, Ontario  
 Integrated Computer Aided Manufacturing (ICAM), Inc., Montreal, Quebec  
 Pavement Management Systems, Inc., Paris, Ontario  
 Bata Shoes, Batawa, Ontario

### **Editorial Activities:**

Senior Editor: *M&SOM*, (1996-2005).

Co-Editor: Special Issue on New Directions in Operations Management Research for *Operations Research* 1996.

Senior Editor: *Operations Research*, Manufacturing, Operations and Scheduling (1988-1996)

Associate Editor:

*MSOM*, Special Issue on Health Care(2011)  
*Management Science* (1987-1989)  
*Int’l Jnl of Production Research* (1999-present)  
*Technology and Operations Review* (1995-1999)  
*IEEE Transactions on Engineering Management* (1986-present )  
*INFOR* (1978-1983)  
*Operations Research Letters* (1982-1989)  
*Opsearch* (1978-1981)  
*Jnl of Computer Science* (1978-1981)

Book Review Editor: *INFOR* (1978-1981)

Abstracter: *Zentralblatt fur Mathematik*  
 Executive Sciences Institute

Referee: Journals (6-10/yr); NSERC (3-4/yr); NSF (1-2 panels/yr); NSF Career Grants; MacArthur Fellowship

### **Other:**

Six-ten external reviews per year for individuals being considered for promotion and tenure

NSF Review Committee, 2011-2014

Association of Professional Engineers of Ontario -- Registered Professional Engineer in Ontario from 1979-2002

United States and Canadian Citizen

