

SURESH P. SETHI, FRSC

October 2009

I. BIOGRAPHICAL DATA

a. General

Charles & Nancy Davidson Distinguished Professor of Operations Management
Director, Center of Intelligent Supply Networks (C4iSN)
School of Management, Mail Station SM30
University of Texas at Dallas
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Richardson, Texas 75080-3021
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Homepage: <http://www.utdallas.edu/~sethi>
Marital Status: Married
Children: Two daughters born in 1990 and 1993.

b. Education

	<u>Degree</u>	<u>Date</u>
Carnegie Mellon University (1969-1971) Graduate School of Industrial Administration Major: Operations Research Minor: Industrial Administration Cumulative GPA 4.0/4.0	Ph.D. M.S.I.A.	1972 1971
Washington State University (1967-1969) School of Business Administration Major: Production Management Cumulative GPA 4.0/4.0	M.B.A.	1969
Indian Institute of Technology (1962-1967) Bombay, India Major: Mechanical Engineering Minor: Industrial Engineering Graduated with Honors	B. Tech.	1967

c. Honors and Awards

- 2009 **Best Paper Award** at the 13th IFAC Symposium on Information Control Problems in Manufacturing, Moscow, Russia (June 3-5)
- 2008 **Outstanding Student Paper Award** - Nominating Professor, Portland International Center for Management of Engineering and Technology 2008 Conference (PICMET), Cape Town, South Africa (July 27-31)
Citation: PICMET is pleased to award this certificate to Professor Suresh Sethi in recognition of outstanding student mentoring for the paper "Cooperative Advertising and Pricing in a Dynamic Stochastic Supply Chain: Feedback Stackelberg Strategies" by Xiuli He.

Distinguished Alumnus Award, Indian Institute of Technology Bombay

Citation: Presented to Dr. Suresh Pal Sethi in recognition of his extraordinary accomplishments in Optimal Control Theory and its Applications in Operations Research and Management Science.

- 2006 **International Conference on Management Sciences: Optimization Models and Applications in Honor of Professor Suresh Sethi**, University of Texas at Dallas, Richardson, TX (May 20-22)

Stochastic Processes, Optimization, and Control Theory: Applications in Financial Engineering, Queueing Networks, and Manufacturing Systems/ A Volume in Honor of Suresh Sethi; Series: International Series in Operations Research & Management Science, Vol. 94, H. Yan, G. Yin, and Q. Zhang (Eds.), Springer, 2006. (360 pages - ISBN: 978-0-387-33770-8)

- 2005 **Fellow, Production and Operations Management Society (POMS)**

Optimal Control and Dynamic Games: Workshop in Honor of Suresh Sethi, Aix en Provence, France, (June 2-6) resulting in publication of *Optimal Control and Dynamic Games, Applications in Finance, Management Science and Economics*, Series: Advances in Computational Management Science, Vol. 7, C. Deissenberg and R.F. Hartl (Eds.), Springer, Netherlands, 2005. (344 pages - ISBN: 978-0-387-25804-1)

- 2004 **Wickham-Skinner Best Paper Award** at The 2nd World Conference on POM, 15th Annual Production and Operations Management Conference, Cancun, Mexico, (April 30-May 3)

- 2003 **Fellow, Institute for Operations Research and the Management Sciences (INFORMS)**

Citation: "Suresh Sethi is the Ashbel Smith Professor of Operations Management at the University of Texas at Dallas. He also serves as the Director of the Center for Intelligent Supply Networks, and has founded doctoral programs in Operations Management, both at the University of Texas at Dallas and at the University of Toronto. He is an important contributor in the fields of operations management, finance, marketing, industrial engineering, operations research, and optimal control.

Dr. Sethi is a very prolific researcher, with some three hundred published papers. In addition, he has authored and co-authored several books. One of these, co-authored with Gerald Thompson, the textbook *Optimal Control Theory; Applications to Management Science and Economics* is particularly important.

Dr. Sethi has chaired, co-chaired, or cluster chaired at many TIMS/ORSA/INFORMS meetings. Most recently, he was the Cluster Co-Chair for the Stochastic Models Area for INFORMS Istanbul. He was also a member of the INFORMS 2000 Colloquium in San Antonio. In addition to chairing meetings, Dr. Sethi has also served in an editorial capacity, as associate editor of *Operations Research* from 1994-1996. He became Senior Editor of *Manufacturing & Service Operations Management* in 2001.

Dr. Sethi has been honored by his selection in 1994 as Fellow of The Academies of Arts, Humanities and Sciences of Canada, and as Fellow of the New York Academy of Sciences in 1999. Last year, he was named IEEE Fellow for extraordinary accomplishments in optimal control."

- Fellow, American Association for the Advancement of Science (AAAS)**
Citation: For distinguished contributions to hierarchical decisions in manufacturing, investment/consumption problems with bankruptcy, forecast horizons in dynamic optimization, and optimal control applications to management problems.
- 2001 **Fellow, Institute of Electrical and Electronics Engineers (IEEE)**
Citation: For contributions to control and optimization of management and economic systems.
- Outstanding Contribution in Education Award,** Greater Dallas Indo-American Chamber of Commerce
- Senior Member, Operational Research Society of India (ORSI)**
- First listed in Marquis Who's Who in the World**
First listed in Marquis Who's Who in the America
- 2000 **Senior Research Fellow of the IC² Institute**
- 1999 **Fellow, New York Academy of Sciences**
Citation: "Dr. Sethi has made fundamental contributions in a variety of research areas. He has published more than 250 research papers applying quantitative methods to the fields of manufacturing and operations management, finance and economics, marketing, and optimization theory. Several of his books are considered international classics in their fields, including Optimal Control Theory: Applications to Management Science and Hierarchical Decision-making in Stochastic Manufacturing Systems. His most recent book, Optimal Consumption and Investment with Bankruptcy, has a foreword by Nobel prize-winner in Economics, Harry Markowitz, who places Dr. Sethi 'among the leaders in financial theory,' a field that Dr. Sethi actually considers only a side interest.
- Dr. Sethi is a Fellow of the Royal Society of Canada and has held distinguished visiting positions in Canada, France, New Zealand, and China. He received a doctorate in Operations Research from Carnegie Mellon University in 1972 after completing engineering studies in Bombay, India."
- 1997 **First listed in Canadian Who's Who, University of Toronto Press**
- Honorary Professor,** Patel Institute of Management and Information Technology, Bishanpura, Sector-58, Noida-201301, India.
- 1996 **Award of Merit of Canadian Operational Research Society (CORS)**
Citation: "Suresh P. Sethi is Professor of Operations Management and Director of the Laboratory for Manufacturing Research in the Faculty of Management, University of Toronto. He has a B. Tech. (Hons.) from IIT Bombay, an MBA from Washington State and MSIA and Ph.D. degrees from Carnegie Mellon. He joined U. of T. in 1973 as an Assistant Professor. Five years later, at the age of 32, he was promoted to full Professor, and in 1994 he became a Fellow of the Royal Society of Canada. Professor Sethi has made fundamental contributions in a variety of research areas such as management applications of optimal control theory, decision and forecast horizons in dynamic optimization problems, optimal consumption/investment problems, scheduling and computational complexity,

and hierarchical decision making in stochastic manufacturing systems. His publications include over 200 scholarly articles in a variety of fields and journals, of which over 40 are in operational research, as well as two books.

In summary, Professor Sethi is one of our most distinguished members. The breadth and depth of his work form a remarkable combination richly deserving of recognition by a CORS Award of Merit."

Honorary Professor, Zhejiang Univ. of Technology, Hangzhou, China

1995 **Senior Member, Institute of Electrical and Electronics Engineers (IEEE)**

1994 **Fellow, The Academies of Arts, Humanities and Sciences of Canada (FRSC) -**
(also known as the Royal Society of Canada)

Citation: Suresh Sethi is internationally recognized for his work in operations research/operations management. He has led the development and use of optimal control theory to resolve important issues in production, finance and marketing. He has made fundamental contributions to the field of decision and forecast horizons in dynamic optimization, and his recent work on the development of the theory of hierarchical controls in stochastic manufacturing systems is pathbreaking. His publications include over 120 articles in leading academic journals.

1992 **Best Paper Award at POM-92 (second prize),** The 3rd Annual Meeting of Production and Operations Management Society, Orlando, FL

Citation: Presented to S. Sethi, M. Taksar, and Q. Zhang for their paper 'Capacity and Production Decisions in Stochastic Manufacturing Systems; An Asymptotic Optimal Hierarchical Approach,' which develops a new paradigm for linking the strategic capacity decision and operational decisions.

1991 **Erskine Fellow,** University of Canterbury, Christchurch, NZ, (Feb.-March)

1990 **Full Member, Operations Research Society of America (ORSA)**

1984-85 **Connaught Senior Research Fellow, University of Toronto**

1971 **Phi Kappa Phi (National Honor Society in all fields)**

1969 **Beta Gamma Sigma (National Honor Society in Business Administration)**

1969-72 **GSIA and Mellon Fellowships**

1967-69 **Teaching Assistantships**

1961-67 **Merit Scholarships**

II. TEACHING INTERESTS AND EXPERIENCE

a. Teaching Interests

Supply Chain Management

Optimal Control Theory and Applications

Management Science/Operations Research

b. Teaching Experience

2006-present Charles & Nancy Davidson Distinguished Professor
School of Management, University of Texas at Dallas

1997-2006 Ashbel Smith Professor of Operations Management
School of Management, University of Texas at Dallas

1992-1997 Professor of Operations Management and Director of
Laboratory for Manufacturing Research

1988-1992 General Motors Research Professor of Operations Management

1978-1988 Professor of Operations Management

1974-1977 Associate Professor (with Tenure)

1973-1974 Assistant Professor, Faculty of Mgmt., Univ. of Toronto

1977-1978 Visiting Associate Professor
(Spring/Summer) Graduate School of Industrial Administration, Carnegie
Mellon University, Pittsburgh, PA

1972-1973 Assistant Professor of Management Science, Department of
Economics and Accounting, Rice University, Houston, TX

1969-1970 Instructor in Finance, Administration and Management
(2 semesters) Science Program, Carnegie Mellon University, Pittsburgh, PA

1969 (Spring) Instructor in Statistics, School of Economics and Business,
Washington State University, Pullman, WA

c. Graduate Courses Taught (1997-present)

MAS8V25 Research Seminar on Optimal Control Applications

OPRE6363 Inventory Control

OPRE7320 Optimal Control Theory

OPRE7351 Seminar in Operations Management

d. Research Experience

June, 2005 Visiting Professor, GREQAM, University of de la
Mediterranee, Marseille, France

June-July, 2003 Visiting Professor, Bilkent University, Ankara, Turkey

June-July, 2002 Visiting Professor, Helsinki School of Economics and
Business Administration, Helsinki, Finland

July, 2001 Visiting Professor, Department of Mechanical & Industrial
Engineering, University of Toronto, Toronto, Ontario, Canada

June-July, 2000 Visiting Professor, University of Siena, Siena, Italy

June, 1999 Visiting Professor, Department of Production Management,
University of Vienna, Vienna, Austria

June-July, 1998 Visiting Professor, Department of Mathematics, Curtin
University, Perth, Australia

July, 1997 Visiting Professor, Department of Systems Engineering,
Chinese University of Hong Kong

April, 1996 Guest Professor, Department of Production Management,
University of Vienna, Vienna, Austria

May/June 1995 Distinguished Visiting Professor, Department of Systems
Engineering, Chinese University of Hong Kong

April-June, 1994 Municipal Chair Professor, University of Lyon, Lyon, France

Feb-March Erskine Fellow, University of Canterbury, Christchurch, New
Zealand

April-June, 1987 On Sabbatical Leave, Institut National de Recherche en
Informatique et en Automatique, Nancy, France

1984-1985 Visiting Scholar, Department of Economics, Australian
National University, Canberra, Australia
Visiting Professor of Applied Mathematics (Research),
Division of Applied Mathematics, Brown University,
Providence, RI

1981, 1984 (Summers)	Guest Professor, Institute of Operations Research, Technical University, Vienna, Austria
1979-1980	On Sabbatical Leave, International Institute for Applied Systems Analysis, Vienna, Austria, Science Center Berlin, Berlin, Germany, University of Arizona, Tucson, Arizona, Georgia Institute of Technology, Atlanta, Georgia
Aug. 1978	Visiting Mathematician
June-July 1977	Research Collaborator, Applied Mathematics (Research in "Large Scale Systems"), Brookhaven National Laboratory, Upton, NY
Aug. 1974	Special Summer Program in "Strategic Planning in Energy Sector," Massachusetts Institute of Technology, Cambridge, MA
Jan-July, 1972	Research Associate, Department of Operations Research, Stanford University, Stanford, CA

e. Work Experience

Summer 1970	Financial Analyst, Weyerhaeuser Company, Tacoma, Washington
Summer 1969	Financial Analyst, Weyerhaeuser Company, Tacoma, Washington
Summer 1968	Quality Control Analyst, Omark Industries, Portland, Oregon
Summer 1966	Engineer Trainee, Hindustan Motors, Calcutta, India
Summer 1965	Engineer Trainee, Bhilai Steel Plant, Bhilai, India

III. RESEARCH INTERESTS AND PUBLICATIONS

a. Current and Future Research Interests

Supply Chain Management
Partially Observed Inventory Models
Hierarchical Decisions in Dynamic Stochastic Manufacturing Systems
Dynamic and Stochastic Advertising Models
Optimal Pricing, Development and Maintenance of Software
Decision, Forecast, and Rolling Horizons in Dynamic Optimization Problems
Scheduling and Sequencing of Robotic Cells
Mathematical Finance
Genuine Savings and Value of Population

b. Books and Monographs (published)

1. Sethi, S.P. and Zhang, Q., *Hierarchical Decision Making in Stochastic Manufacturing Systems*, in series Systems and Control: Foundations and Applications, Birkhäuser Boston, Cambridge, MA, 1994 (419 pages - ISBN 0-8176-3755-4); reviews in *Mathematical Reviews*, 1995; *Short Book Reviews*, Aug. 1995; *Control Engineering Practice*, Aug. 1995; *J. of Economic Literature*, Sept. 1995; *Computing Reviews*, Nov. 1995; *Discrete Event Dynamic Systems: Theory and Applications*, July 1996; *Interfaces*, July-Aug. 1996; *Optimization*, 1996; *IEEE-AC*, June 1997, *Journal of Economic Dynamics & Control*, Vol. 21, 1997, and others.
2. Sethi, S.P. and Thompson, G.L., *Optimal Control Theory: Applications to Management Science*, Martinus Nijhoff, Boston, 1981 (481 pages); reviewed by D. Luenberger in *Interfaces*, June 1982; R. Neck in *European Journal of Operational Research*, Sept. 1982, W. Davis in *J.A.S.A.*, Sept. 1984; R. Vickson in *INFOR*, May 1985, and others.

3. Sethi, S.P. and Thompson, G.L., *Solutions Manual for Optimal Control Theory: Applications to Management Science*, Martinus Nijhoff, Boston, 1981 (135 pages).
4. Sethi, S.P. and Thompson, G.L., *Optimal Control Theory: Applications to Management Science and Economics*, Second Edition, Kluwer Academic Publishers, Boston, 2000 (505 pages - ISBN 0-7923-8608-6); reviewed by C. Gaimon in *Interfaces*, November-December 2002.
5. Sethi, S.P., *Optimal Consumption and Investment with Bankruptcy*, (with a Foreword by Harry M. Markowitz, 1990 Nobel Laureate in Economics), Kluwer Academic Publishers, Norwell, MA, 1997. (428 pages - ISBN 0-7923-9755-X)
6. Sethi, S.P., Zhang, H., and Zhang, Q., *Average-Cost Control of Stochastic Manufacturing Systems*, in series Stochastic Modelling and Applied Probability, Springer, New York, NY, 2005. (345 pages - ISBN 0-387-21947-1)
7. Sethi, S.P., Yan, H., and Zhang, H., *Inventory and Supply Chain Management with Forecast Updates*, in series International Series in Operations Research & Management Science, Springer, New York, NY, 2005. (310 pages - ISBN 1-4020-8123-5)
8. Dawande, M.W., Geismar, H.N., Sethi, S.P., and Sriskandarajah, C., *Throughput Optimization in Robotic Cells*, in series: International Series in Operations Research & Management Science, Springer, New York, NY, 2007. (430 pages - ISBN 978-0-387-70987-1); reviewed by B. Lev in *Interfaces*, January-February 2009.

c. Books and Monographs (forthcoming)

1. Beyer, D., Cheng, F., Sethi, S.P., and Taksar, M.I., *Markovian Demand Inventory Models*, Springer.
2. Sethi, S.P. and Thompson, G.L., *Solution Manual for Optimal Control Theory: Applications to Management Science and Economics*, Second Edition, Kluwer Academic Publishers.
3. Prasad, A. and Sethi, S.P., *Dynamic Advertising*, Springer.
4. Bensoussan, A. Çakanyildirim, M., and Sethi, S.P., *Inventory Control with Partial Observations*, SIAM.

d. Professional Journal Articles - Categorized in four areas:

- (i) Operations Management
- (ii) Finance and Economics
- (iii) Marketing
- (iv) Optimization Theory and Miscellaneous Applications

(i) Operations Management

1. Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "Filtering for Discrete-Time Markov Processes and Applications to Inventory Control with Incomplete Information," in *Handbook on Nonlinear Filtering*, D. Crisan and B. Rozovsky (Eds.), Oxford University Press, forthcoming.
2. Bensoussan, A. Çakanyildirim, M., Royal, A., and Sethi, S.P., "Bayesian and Adaptive Controls for a Newsvendor Facing Exponential Demand," *Journal on Decision and Risk Analysis*, forthcoming.

3. Khmelnitsky, E., Presman, E., and Sethi, S.P., "Optimal Production Control of a Failure-Prone Machine," *Annals of Operations Research*, forthcoming.
4. Feng, Q. and Sethi, S.P., "Procurement Flexibility under Price Uncertainty," in *Handbook on Innovative Quick Response Programs in Logistics and Supply Chain Management*, T. C. Edwin Cheng and Tsan-Ming Choi, (Eds.), Springer, 2009, forthcoming.
5. Chen, H., Chen, Y., Chiu, C.-H., Choi, T.-M., and Sethi, S.P., "Coordination Mechanism for the Supply Chain with Leadtime Consideration and Price-Dependent Demand," *European Journal of Operations Research*, 2009, forthcoming.
6. Bensoussan, A., Çakanyildirim, M., Feng, Q., and Sethi, S.P., "Optimal Ordering Policies for Stochastic Inventory Problems with Observed Information Delays," *Production and Operations Management*, 18(5), 2009, 546-559.
7. Dawande, M., Gavirneni, S., Naranpanawe, S., and Sethi, S.P., "Discrete Forecast Horizons for Two-Product Variants of the Dynamic Lot-Size Problem," *International Journal of Production Economics*, 120, 2009, 430-436.
8. Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "A Note on 'The Censored Newsvendor and the Optimal Acquisition of Information,'" *Operations Research*, 57(3), May-June 2009, 791-794.
9. Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "Censored Newsvendor Model Revisited with Unnormalized Probabilities," *Journal of Industrial and Management Optimization (JIMO)*, 5(2), May 2009, 391-402.
10. He, X., Prasad, A., and Sethi, S.P., "Cooperative Advertising and Pricing in a Stochastic Supply Chain: Feedback Stackelberg Strategies," *Production and Operations Management*, 18(1), 2009, 78-94.
11. Bensoussan, A., Çakanyildirim, M., Minjárez-Sosa, J. A., Sethi, S.P., and Shi, R., "Partially Observed Inventory Systems: The Case of Rain Checks," *SIAM Journal of Control and Optimization*, 47(5), 2008, 2490-2519.
12. Sethi, S.P., Yeh, D.H.M., Zhang, R., and Jardine, A., "Optimal Maintenance and Replacement of Extraction Machinery," *Journal of Systems Science and Systems Engineering*, 17(4), 2008, 416-431.
13. He, X. and Sethi, S.P., "Dynamic Slotting and Pricing Decisions in a Durable Product Supply Chain," *Journal of Optimization Theory and Applications*, 137(2), 2008, 363-379.
14. Bensoussan, A., Çakanyildirim, M., Minjárez-Sosa, J.A., Royal, A., and Sethi, S.P., "Inventory Problems with Partially Observed Demands and Lost Sales," *Journal of Optimization Theory and Applications*, 136(3), 2008, 321-340.
15. Bensoussan, A. and Sethi, S.P., "The Machine Maintenance and Sale Age Model of Kamien and Schwartz Revisited," *Management Science*, 53(12), December 2007, 1964-1976.

16. He, X., Prasad, A., Sethi, S.P., and Gutierrez, G.J., "A Survey of Stackelberg Differential Game Models in Supply and Marketing Channels," *Journal of Systems Science and Systems Engineering (JSSSE)*, 16(4) December 2007, 385-413. An Erratum, *JSSSE*, 17(2), 255, 2008.
17. Chand, S., Hsu, V.N., Sethi, S.P., and Deshpande, V., "A Dynamic Lot Size Problem with Multiple Customers: Customer-Specific Shipping and Backlogging Costs," *IIE Transactions*, 39(11), November 2007, 1059-1069.
18. Dawande, M., Gavirneni, S., Naranpanawe, S., and Sethi, S.P., "Forecast Horizons for a Class of Dynamic Lot-Size Problems under Discrete Future Demand," *Operations Research*, 55(4), July-Aug. 2007, 688-702.
19. He, X., Gutierrez, G. and Sethi, S.P., "A Review of Stackelberg Differential Game Models in Supply Chain Management," *Proceedings of the Fourth IEEE International Conference on Service Systems and Service Management*, Chengdu, China, June 9-11, 2007.
20. Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "Economic Evaluation of Systems that Expedite Inventory Information," *Production and Operations Management*, 16(3), May-June 2007, 360-368.
21. Sethi, S.P., Yan, H., Zhang, H., and Zhou, J., "A Supply Chain with a Service Requirement for Each Market Signal," *Production and Operations Management*, 16(3), May-June 2007, 322-342.
22. Chen, Y., Sethi, S.P., and Zhang, H., "A Production-Inventory Problem for an Energy Buy-Back Program," *IEEE Transactions on Automation Science and Engineering*, 4(3), July 2007, 395-406.
23. Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "Optimal Ordering Policies for Inventory Problems with Dynamic Information Delays," *Production and Operations Management*, 16(2), March-April 2007, 241-256.
24. Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "A Multiperiod Newsvendor Problem with Partially Observed Demand," *Mathematics of Operations Research*, 32(2), May 2007, 322-344.
25. Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "Partially Observed Inventory Systems: The Case of Zero-Balance Walk," *SIAM Journal of Control and Optimization*, 46(1), 2007, 176-209.
26. Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "Optimality of Base Stock and (s,S) Policies for Inventory Problems with Information Delays," *Journal of Optimization Theory and Applications*, 130(2), August 2006, 153-172.
27. Feng, Q., Sethi, S.P., Yan, H., and Zhang, H. "Are Base-stock Policies Optimal in Inventory Problems with Multiple Delivery Modes?" *Operations Research*, 54(4), 2006, 801-807.
28. Presman, E. and Sethi, S.P., "Inventory Models with Continuous and Poisson Demands and Discounted and Average Costs," *Production and Operations Management*, 15(2), Summer 2006, 279-293.

29. Hou, Y., Sethi, S.P., Zhang, H., and Zhang, Q., "Asymptotically Optimal Production Policies in Dynamic Stochastic Jobshops with Limited Buffers," *Journal of Mathematical Analysis and Applications*, 317, 2006, 398-428.
30. Feng, Q., Sethi, S.P., Yan, H., and Zhang, H. "Optimality and Nonoptimality of the Base-stock Policy in Inventory Problems with Multiple Delivery Modes," *Journal of Industrial and Management Optimization*, 2(1), 2006, 19-42.
31. Drobouchevitch, I.G., Sethi, S.P., and Sriskandarajah, C., "Scheduling Dual Gripper Robotic Cells: One-unit Cycles," *European Journal of Operational Research*, 171, 2006, 598-631.
32. Bensoussan, A., Liu, R.H., and Sethi, S.P., "Optimality of an (s,S) Policy with Compound Poisson and Diffusion Demands: A Quasi-variational Inequalities Approach," *SIAM Journal on Control and Optimization*, 44(5), 2005, 1650-1676.
33. Geismar, H.N., Sethi, S.P., Sidney, J.B., and Sriskandarajah, C., "A Note on Productivity Gains in Flexible Robotic Cells," *International Journal of Flexible Manufacturing Systems*, 17, 2005, 5-21.
34. Gallego, G. and Sethi, S.P., "K-Convexity in R^n ," *Journal of Optimization Theory and Applications*, 127(1), October 2005, 71-88.
35. Bensoussan, A., Feng, Q., and Sethi, S.P., "Optimal Ordering Policies for a Two-Stage Newsvendor Problem with a Service Constraint," *Proceedings of the 8th International Conference of the Decision Sciences Institute*, Barcelona, Spain, July 3-6, 2005, CD.
36. Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "Partially Observed Inventory Systems," *Proceedings of 44th IEEE CDC and ECC*, Seville, Spain, Dec. 12-15, 2005.
37. Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "Optimality of Standard Inventory Policies with Information Delays," *Proceedings of 6th APIEMS 2005*, Manila, Philippines, Dec. 4-7, 2005, CD Article #1221.
38. Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "On the Optimal Control of Partially Observed Inventory Systems," *Comptes Rendus de l'Académie des Sciences Paris*, Ser. I 341, 2005, 419-426.
39. Sethi, S.P., Yan, H., Yan, J.H.Z., and Zhang, H., "An Analysis of Staged Purchases in Deregulated Time-Sequential Electricity Markets," *Journal of Industrial and Management Optimization*, 1(4), November 2005, 443-463.
40. Dawande, M.W., Geismar, H.N., and Sethi, S.P., "Dominance of Cyclic Solutions and Challenges in the Scheduling of Robotic Cells," *SIAM Review*, 47(4), 2005, 709-721.
41. Sethi, S.P., Yan, H., Zhang, H., and Zhou, J., "Information Updated Supply Chain with Service-Level Constraints," *Journal of Industrial and Management Optimization*, 1(4), November 2005, 513-531.
42. Beyer, D. and Sethi, S.P., "Average-Cost Optimality in Inventory Models with Markovian Demands and Lost Sales," in *Analysis, Control and*

- Optimization of Complex Dynamic Systems*, E.K. Boukas and R.P. Malhamé, (Eds.), Springer, 2005, 3-23.
43. Huang, H., Yan, H., and Sethi, S.P., "Purchase Contract Management with Demand Forecast Updates," *IIE Transactions on Scheduling and Logistics*, 37(8), August 2005, 775-785.
 44. Dawande, M., Geismar, H. N., Sethi, S.P., and Sriskandarajah, C., "Sequencing and Scheduling in Robotics Cells: Recent Developments," *Journal of Scheduling*, 8, 2005, 387-426.
 45. Sethi, S.P., Yan, H., and Zhang, H., "Analysis of a Duopoly Supply Chain and its Application in Electricity Spot Markets," *Annals of Operations Research*, 135(1), 2005, 239-259.
 46. Gan, X., Sethi, S.P., and Yan, H., "Channel Coordination with a Risk-Neutral Supplier and a Downside-Risk-Averse Retailer," *Production and Operations Management*, 14(1), 2005, 80-89.
 47. Drobouchevitch, I.G., Sethi, S.P., Sidney, J.B., and Sriskandarajah, C., "Scheduling Multiple Parts in Two-Machine Dual Gripper Robot Cells: Heuristic Algorithm and Performance Guarantee," *International Journal of Operations and Quantitative Management*, 10(4), 2004, 297-314.
 48. Feng, Q., Gallego, G., Sethi, S.P., Yan, H., and Zhang, H., "Periodic-Review Inventory Model with Three Consecutive Delivery Modes and Forecast Updates," *Journal of Optimization Theory and Applications*, 124(1), January 2005, 137-155.
 49. Sethi, S.P., Yan, H., and Zhang, H., "Quantity Flexible Contracts: Optimal Decisions with Information Updates," *Decision Sciences*, 35(4), Fall 2004, 691-712.
 50. Gan, X., Sethi, S.P., and Yan, H., "Coordination of a Supply Chain with Risk-Averse Agents," *Production and Operations Management*, 13(2), 2004, 135-149. Identified as part of a knowledge cluster (Fig. 7, p. 196) in "The Evolution of the Intellectual Structure of Operations Management - 1980-2006: A Citation/Co-citation Analysis," *Journal of Operations Management*, 27, 2009, 185-202.
 51. Sethi, S.P. and Zhang, Q., "Problem 4.3 Feedback Control in Flowshops," in *Unsolved Problems in Mathematical Systems and Control Theory*, V. D. Blondel and A. Megretski (Eds.), Princeton University Press, Princeton, NJ, 2004, 140-143.
 52. Sriskandarajah, C., Drobouchevitch, I.G., Sethi, S.P., and Chandrasekaran, R., "Scheduling Multiple Parts in a Robotic Cell Served by a Dual-Gripper Robot," *Operations Research*, 52(1), Jan-Feb 2004, 65-82.
 53. Sethi, S.P., Sidney, J.B., and Sriskandarajah, C., "Throughput Comparison of Robotic Flowshops Versus Robotic Openshops," in *Operational Research and its Applications: Recent Trends*, M.R. Rao and M.C. Puri (Eds.), Allied Publishers Pvt. Limited, New Delhi, India, *Proceedings of the Sixth International Conference of the Association of Asia-Pacific Operational Research Societies (APORS)*, Dec. 8-10, 2003, New Delhi, India, Vol. I, 10-18.

54. Sethi, S.P., Yan, H., and Zhang, H., "Inventory Models with Fixed Costs, Forecast Updates, and Two Delivery Modes," *Operations Research*, 51(2), March-April 2003, 321-328.
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- (iv) Optimization Theory and Miscellaneous Applications**
1. Kulkarni, V.G. and Sethi, S.P., "Optimal Allocation of Effort to Software Maintenance: A Queuing Theory Approach," *Production and Operations Management*, 18(5), 2009, 506-515.
 2. Kumar, S. and Sethi, S.P., "Dynamic Pricing and Advertising for Web Content Providers," *European Journal of Operational Research*, 197, 2009, 924-944.
 3. Feng, Q., Mookerjee, V.S., and Sethi, S.P., "Application Development Using Fault Data," *Production and Operations Management*, 17(2), March-April 2008, 162-174.

4. Feng, Q., Mookerjee, V.S., and Sethi, S.P., "Optimal Policies for the Sizing and Timing of Software Maintenance Projects," *European Journal of Operational Research*, 173, 2006, 1047-1066.
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48. Sethi, S.P., "Sufficient Conditions for the Optimal Control of a Class of Systems with Continuous Lags," *Journal of Optimization Theory and Applications*, 13(5), May 1974, 545-552; Errata Corrige, 38(1), Sept. 1982, 153-154.
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e. Professional Journal Articles - Summary by Journals:

Publications by Journals (Publisher)	Published Articles	In Press
Advances in Applied Probability	1	
The Annals of Applied Probability (Institute of Mathematical Statistics)	1	
Annals of Operations Research (Springer)	5	1
Applied Mathematical Modeling (Elsevier)	1	
Applied Mathematics and Optimization (Springer)	1	
Applied Stochastic Control in Econometrics and Management Science (Elsevier)	1	
Automatica (Elsevier)	3	
Biometrics	1	
Canadian Journal of Administrative Sciences	1	
Comptes Rendus de l'Academie des Sciences	1	
Decision Line	1	
Decision Sciences	1	
Discrete Event Dynamic Systems: Theory and Applications (Springer)	1	
Dynamics of Continuous, Discrete and Impulsive Systems	1	
Economic Theory (Springer)	1	
European Journal of Operational Research (E.J.O.R.) (Elsevier)	12	2
IEEE Transactions on Automatic Control (IEEE)	7	
IEEE Transactions on Automation Science and Engineering (IEEE)	1	
IEEE Transactions on Engineering Management (IEEE)	1	
IEEE Transactions on Robotics and Automation (IEEE)	3	
IEEE Transactions on Semiconductor Manufacturing (IEEE)	1	
IIE Transactions (formerly AIIE Transactions) (Springer)	3	
INFOR (The Canadian Journal of Operational Research)	6	
Information Systems Research (INFORMS)	1	
International Journal of Flexible Manufacturing Systems (IJFMS)	6	
International Journal of Operations & Quantitative Management (IJOQM)	2	
International Journal of Policy Analysis	1	
International Journal of Production Economics (IJPE) (Elsevier)	2	
International Journal of Production Research (Taylor & Francis)	1	
International Journal of Systems Science (Taylor & Francis)	1	
ITORMS (Interactive Transactions of OR/MS) (INFORMS)	1	
Journal of Economic Dynamics and Control (formerly Annals of Economic and Social Measurement) (J.E.D.C.) (Elsevier)	6	
Journal of Economic Theory (J.E.T.) (Elsevier)	1	
Journal of Financial and Quantitative Analysis	4	
Journal of Industrial and Management Optimization (J.I.M.O.) (AIMS)	6	
Journal of Large Scale Systems	1	
Journal of Management Science and Applied Cybernetics	3	
Journal of Mathematical Analysis and Applications (J.M.A.A.) (Elsevier)	5	
Journal of Mathematical Modelling and Algorithms (J.M.M.A.) (Springer)	1	
Journal of the Operational Research Society (formerly Oper.Res.Quarterly) (Palgrave)	6	
Journal of Operations Management (Elsevier)	1	
Journal of Optimization Theory and Applications (J.O.T.A.) (Springer)	33	
Journal of Scheduling (Wiley)	2	
Journal of Systems Science and Systems Engineering (JSSSE) (Springer)	3	
Journal on Decision and Risk Analysis Management Science (INFORMS)	11	1
Manufacturing & Service Operations Management (M&SOM) (INFORMS)	3	
Marketing Science (INFORMS)	1	
Mathematical Finance (Blackwell)	4	
Mathematical Models and Methods in Applied Science (World Scientific)	1	
Mathematics of Operations Research (M.O.R.) (INFORMS)	7	
Modern Production Management Systems (Elsevier)	1	
Naval Research Logistics/ Naval Research Logistics Quarterly (Wiley)	5	
Nonlinear Analysis (Elsevier)	4	
Operations Research (INFORMS)	17	
Operations Research Letters (Elsevier)	7	
Opsearch	1	
Optimal Control Application and Methods (O.C.A.M.) (Wiley)	12	
Proceedings of the National Academy of Science (PNAS)	1	
Production and Operations Management (POMS)	15	
SIAM Journal on Control and Optimization (SIAM)	6	
SIAM Journal on Mathematical Analysis (SIAM)	2	
SIAM Review (SIAM)	3	
Stochastics: An Int. Journal of Probability & Stochastic Processes (formerly Stochastics and Stochastics Reports) (Taylor & Francis)	2	
TIMS Studies in the Management Sciences	2	
Zeitschrift fur Operations Research	1	

<u>Publications by Journals (Publisher)</u>	<u>Published Articles</u>	<u>In Press</u>
Total Number of Journal Articles	248	4
Articles in Proceedings and Edited Books	103	3

f. Case Studies and Project Reports

Sethi, S.P., *Case: London Life Insurance Company*, The University of Western Ontario and Faculty of Management Studies, University of Toronto (copyright), 1979.

Satterberg, R. L. and Sethi, S.P., *Weyerhaeuser Company Inventory Turnover Analysis: 1948-1968*, Weyerhaeuser Co., Tacoma, Washington, August 1969.

Sethi S.P. and Clark, R.W., *Equipment Replacement Analysis: Optimal Life of Fork Lift Trucks (in the Weyerhaeuser Fleet)*, Weyerhaeuser Co., Tacoma, Washington, July 1969.

Sethi, S.P., "Analysis of the Effects of Shot Sizes and Peening Times on the Fatigue Strength of Drive Links," *The First Annual Quality Control Supervisor's Meeting, Oregon Saw Chain Division, Omark Industries, Inc.*, Portland, Oregon, August 19-22, 1968.

g. Publications in School and College Magazines

Sethi, S.P., "A Problem on Limit," *Pragati*, Indian Institute of Technology, Bombay, India, 1964.

Sethi, S.P., "Science and Religion," *Mahaveer Higher Secondary School Magazine*, Ladnun, Rajasthan, India, 1962.

Sethi, S.P., "Zero and Infinity," *J.B. High School Magazine*, Ladnun, Rajasthan, India, 1960.

h. Unpublished Reports

Jennings, L.S., Teo, Kok-Lay, and Sethi, S.P., "Optimal Production for Deterministic Manufacturing Systems with Non-Unique Solutions," August 1996.

Kubiak, W., Sethi, S.P. and Sriskandarajah, C., "Scheduling of a Jobshop with Two Machine Centers Having Parallel Machines," Working paper 90-10, Department of Industrial Engineering, University of Toronto, 1990.

Derzko, N. and S.P. Sethi, "Mathematical Analysis of Equivalent Systems of Financial Valuation," November 1979.

Sethi, S.P., *Applications of Optimal Control Theory in Management Science and Economics*, Doctoral Dissertation, Graduate School of Industrial Administration, Carnegie Mellon University, Nov. 1971, (265 pages).

Sethi S.P., *A Study of Automobile Demand*, MBA Thesis, Washington State University, 1969, (116 pages).

IV. RESEARCH-IN-PROGRESS

a. Submitted Papers

1. Kumar, S., Fan, M., and Sethi, S.P., "Performance Choice and Pricing for Differentiated Information System Services," *Journal of MIS (JMIS)*, March 2008.
2. Bensoussan, A., Feng, Q., and Sethi, S.P., "Achieving a Long-Term Service Target with Short-Term Demand Signals: A Newsvendor Framework," *Manufacturing & Service Operations Management*, May 2009.
3. Ji, Y., Kumar, S., Mookerjee, V.S., Sethi, S.P., and Yeh, D., "Optimal Enhancement and Lifetime of Software Systems: A Control Theoretic Analysis," *POM*, November 2008.
4. Gan, X., Sethi, S.P., and Zhou, J., "Commitment-Penalty Contracts in Drop-shipping Supply Chains with Asymmetric Demand Information," *EJOR*, October 2008.
5. Bensoussan, A., Çakanyildirim, M., Sethi, S.P., and Shi, R., "Computation of Approximate Optimal Policies in Partially Observed Inventory Model with Rain Checks," *INFORMS Journal on Computing*, September 2008.
6. Bensoussan, A., Çakanyildirim, M., Feng, Q., and Sethi, S.P., "Optimal Ordering Policy and Value of Information under Partially Observed Lost Sale," *Operations Research*, September 2009.
7. Dawande, M., Gavirneni, S., Mu, Y., and Sethi, S.P., "On the Interaction between Demand Substitution and Production Changeovers," *Manufacturing & Service Operations Management*, February 2009.
8. Bensoussan, A., Çakanyildirim, M., Sethi, S.P., Wang, M., and Zhang, H., "Average Cost Optimality in Inventory Models with Dynamic Information Delays," *IEEE Transactions on Automatic Control*, January 2009.
9. Çakanyildirim, M., Gan, X., and Sethi, S.P., "Contracting and Coordination under Asymmetric Production Cost Information," *POM*, February 2009.
10. Bensoussan, A., Feng, Q., and Sethi, S.P., "Integrating Equipment Investment Strategy with Maintenance Operations under Uncertain Failures," *Management Science*, April 2009.
11. Bensoussan, A., Çakanyildirim, M., Minjárez-Sosa, J.A., Sethi, S.P., and Shi, R., "An Incomplete Information Inventory Model with Presence of Inventories or Backorders as Only Observations," *JOTA*, October 2009.
12. Basar, T., Bensoussan, A., and Sethi, S.P., "Differential Games with Mixed Leadership: The Open-Loop Solution," *Applied Mathematics and Computation*, August 2009.
13. Benkherouf, L. and Sethi, S.P., "Optimality of (s,S) Policies for a Stochastic Inventory Model with Proportional and Lump-sum Shortage Costs," *OR Letters*, August 2009.

b. Working Papers and Work-in-Progress

1. Beyer, D., Sethi, S.P., Taksar, M.I., and Zhang, Q., "Continuous Time Inventory Model with Markov Modulated Demand and Average Cost."
2. Bass, F.M., Krishnamoorthy, A., and Sethi, S.P., "Optimal Pricing in a Hazard Rate Model of Demand with Experiential Learning."
3. Gallego, G., Sethi, S.P., Wang, Z., Yan, H., Zhang, H., and Huang, Y., "Stationary Policies for Multiple Procurement Modes."
4. Gordon, M.J. and Sethi, S.P., "A Stock Market Model."
5. Johar, M., Mookerjee, V.S., and Sethi, S.P., "Optimal Local and Global Software Reuse Policies: A Control Theoretic Approach."
6. Dogramaci, A. and Sethi, S.P., "Organizational Nimbleness and Operational Policies: The Case of Optimal Control of Maintenance under Uncertainty."
7. Bensoussan, A., Çakanyildirim, M., Meng, L., Sethi, S.P., and Minjárez-Sosa, J. A., "The Cash Register Inventory Model."
8. Çakanyildirim, M., Nourani, M., Sethi, S.P., and Tamil, L.S., "RFID and Sensor Networks in Geriatric Healthcare Supply Chains."
9. Bensoussan, A. and Sethi, S.P., "Optimal Economic Growth with Controlled Population."
10. He, X, Krishnamoorthy, A., Prasad, A., Sethi, S.P., "Manufacturer's Promotional Support in a Dynamic Retail Duopoly."
11. He, X. and Sethi, S.P., "A Two-Period Newsvendor Problem with Production Cost Learning."
12. Sethi, S.P., "A Mixed Leadership Game of Cooperative Advertising between a Manufacturer and a Retailer."
13. Haruvy, E., Li, T., and Sethi, S.P., "Optimal Two-Stage Pricing and Commitment for Custom-made Products."
14. Sethi, S.P., "An Extension of 'Dividend Policy, Growth, and the Valuation of Shares' by Miller and Modigliani."
15. Chutani, A. and Sethi, S.P., "Cooperative Advertising in a Dynamic Retail Market Duopoly."
16. Chutani, A. and Sethi, S.P., "Cooperative Advertising in a Dynamic Durable Goods Supply Chain."
17. Chutani, A., Çakanyildirim, M., and Sethi, S.P., "Spare Parts Management during the Lifecycle of a Product."
18. Chutani, A., Bensoussan, A., and Sethi, S.P., "Optimal Cash Management with Uncertain Stock Price."

19. Bensoussan, A., Çakanyildirim, M., Hoe, S., and Sethi, S.P., "A Mean/Variance Based Policy for a Partially Observed Zero-Balance Walk Inventory Model."
20. Bensoussan, A., Çakanyildirim, M., Chan, L., Hoe, S., Sethi, S.P., and Muni-Toke, I., "Assessing Loss from Parsimony."
21. Basar, T., Bensoussan, A., and Sethi, S.P., "Differential Games with Mixed Leadership: The Feedback Solution."
22. Wang, H., Yan, H., and Sethi, S.P., "Inventory Models with Alternative Delivery Leadtimes, Demand Backlogging, and Priority Rules."
23. Bensoussan, A., Çakanyildirim, M., Feng, Q., and Sethi, S.P., "Partially Observed Lost Sales."
24. Feng, Q. and Sethi, S.P., "Some Optimal Control Problems with State Constraints."

V. PROFESSIONAL COMPETENCE AND ACTIVITY

a. Science Academies and Research Institutes

Fellow, The Royal Society of Canada (The Canadian Academies of Science)
 Fellow, New York Academy of Sciences (NYAS)
 Fellow, American Association for the Advancement of Science (AAAS)
 Senior Research Fellow, IC² Institute, University of Texas at Austin

b. Membership in Professional Societies

Canadian Operational Research Society (CORS)
 Decision Sciences Institute (DSI)
 Fellow, Institute for Operations Research and the Management Sciences (INFORMS)
 Institute of Industrial Engineers (IIE)
 International Society on Methodology for Complex Societal Problems
 Operations Research Society of India (ORSI), Life Member
 Fellow, Production and Operations Management Society (POMS), Life Member
 Society for Industrial and Applied Mathematics (SIAM)
 Society of Operations Management (India)
 Fellow, Institute of Electrical and Electronics Engineers (IEEE)
 The Society of Management Science and Applied Cybernetics (SMSAC) (India)

c. Contributed and Invited Papers presented in Conferences

The list is available on request.

d. Invited Talks at Universities/Institutes

2009 University of Southern California at Davis (April 27)
 Catholic University of Louvain, Louvain-la-Neuve, Belgium (May 15)
 2008 National Institute of Industrial Engineers, Bombay, India (March 11)
 Indian School of Business, Hyderabad, India (March 12)
 Indian Institute of Technology, Delhi, India (March 18)
 Southern Methodist University, Dallas, TX (March 28)
 INRIA, Rennes, France (June 17, 2008)
 Bina Nusantara University, Jakarta, Indonesia, August 8, 2008.
 Singapore Management University, Singapore, August 12 & 15, 2008.
 National University of Singapore, Singapore, August 20, 2008.

- Nanyang Technological Univ. of Singapore, Singapore, August 21, 2008.
 Birla Institute of Technology, Meshra, India, September 3, 2008.
 University of Miami, Miami, FL, October 3, 2008.
- 2007 Swiss Federal Institute of Technology, Zurich, Switzerland (Feb.27)
 University of Osnabruck, Osnabruck, Germany (March 1)
 University of Venice, Venice, Italy (March 5)
 Institute of Mathematical Finance, Frankfurt, Germany, (March 6)
 University of Kuwait, Kuwait City, Kuwait, (March 18)
 Universidad de Chile, Santiago, Chile (August 3)
 University of Buffalo, Buffalo, NY (October 23)
 Center for Mathematics Research (CIMAT), Guanajuato, Mexico (Nov. 12)
- 2006 University of Montreal, Montreal, Canada (May 2-3)
 University of California, Riverside, CA (May 11)
 University of Michigan, Ann Arbor, MI (June 3)
 Koc University, Istanbul, Turkey (July 7)
 Carnegie Mellon University (August 21-22)
- 2005 Laboratoire d'Automatique de Grenoble, Grenoble, France (June 16)
 ESADE, Barcelona, Spain (July 1)
 University of Hawaii, Honolulu, Hawaii (July 15)
 Fu Jen Catholic University, Taipei, Taiwan (July 19, 22)
 University of Southern California, Los Angeles, CA (Sept. 16)
 University of St. Thomas, Manila, Philippines (Dec. 3)
 University of Philippines, Manila, Philippines (Dec. 5)
 Yunnan Normal University, Kunming, China (Dec. 24)
- 2004 Indian Institute of Technology, New Delhi, India (January 12)
 Jawaharlal Nehru University, New Delhi, India (January 12)
 University of Washington, Seattle, WA (February 13)
 University of Texas, Austin, TX (March 8)
- 2003 University of North Carolina, Chapel Hill, NC (February 21)
 University of Minnesota, Minneapolis, MN (March 13)
 Koc University, Istanbul, Turkey (July 11)
 Bilkent University, Ankara, Turkey (July 18)
 Northwestern University, Evanston, IL (October 7)
 Tulane University, New Orleans, LA (November 3)
 University of Texas at Dallas, TX (November 17)
 Indian Institute of Management, Calcutta, India (December 12)
 Birla Institute of Technology, Ranchi, India (December 17)
 Management Development Institute, Gurgaon, India (December 18)
 National Institute of Technology & Industrial Engineering,
 Bombay, India (December 28)
 Indian Institute of Technology, Bombay, India (December 29)
- 2002 Columbia University, New York, NY (February 26)
 Lund University, Lund, Sweden (May 31)
 Helsinki School of Economics and Business Administration,
 Helsinki, Finland (June 11,25)
 Helsinki University of Technology, Helsinki, Finland (June 13)
 Georgia Institute of Technology, Atlanta, GA (November 12)
 University of California, Berkeley, CA (November 20)
 Hewlett-Packard Laboratories, Palo Alto, CA (November 21)
 American Airlines, Dallas, TX (December 5)
- 2001 Purdue University, Lafayette, IN (April 27)
 Oklahoma State University, Stillwater, OK (June 11)
 University of Toronto, Toronto, Ontario, Canada (July 20)
 University of Sao Paulo, Sao Paulo, Brazil (August 15)
- 2000 Bogazici University, Istanbul, Turkey (June 19)
 Universita' di Siena, Siena, Italy (June 21 and June 26)
 Universita' di Vicenza, Vicenza, Italy (July 3)

Universita' di Padova, Padova, Italy (July 4)
 Universita' di Brescia, Brescia, Italy (July 5)
 Universita' di Pisa, Pisa, Italy (July 7)
 Universita' degli Studi di L'Aquila, Coppito, Italy (July 11)
 Swiss Federal Institute of Tech., Zurich, Switzerland, (August 23)
 The Chinese University of Hong Kong, Hong Kong, (October 30)
 Indian Institute of Technology, Madras, India (December 18)
 1999 Texas A&M University, College Station, TX (March 8)
 University of Houston, Houston, TX (March 10-11)
 University of Lugano, Lugano, Switzerland (June 18)
 Universite Louis Pasteur, Strasbourg, France (June 22)
 University of Leipzig, Leipzig, Germany (June 28)
 Universitaet Kaiserslautern, Kaiserslautern, Germany (June 23)
 1998 The University of Texas, Austin, TX (March 13)
 The Univ. of Texas at Dallas, Dept. of Math., Richardson, TX (Nov. 17)
 1997 University of Texas at Dallas, Richardson, TX (Jan. 31)
 National Taiwan Institute of Technology, Taipei, Taiwan (Apr. 10)
 National Central University, Chungli, Taiwan (Apr. 11)
 National Cheng-Kung University, Tainan, Taiwan (Apr. 16)
 Zhejiang University of Technology, Hangzhou, China (Apr. 24)
 Xian Jiao-Tong University, Xian, China (Apr. 29)
 Qinghua University, Beijing, China (May 6)
 Institute of Applied Mathematics, Academia Sinica, Beijing (May 8)
 Hong Kong University of Science And Technology, Hong Kong (July)
 1996 University of Vienna, Vienna, Austria (April)
 Qinghua University, Beijing, China (June 3)
 Shanghai Jiao-Tong University, Shanghai, China (June 6)
 Indian Institute of Technology, Kanpur, India (Dec. 10)
 Indian Institute of Management, Calcutta, India (Dec.)
 1995 Bilkent University, Indust. Eng., Ankara, Turkey (April 7, Sept. 11)
 Hong Kong University of Science and Technology, Hong Kong, (June 14)
 National Central University, Chungli, Taiwan (June)
 Indian Institute of Management, Calcutta, India (July 5)
 1994 LAAS, CNRS, Toulouse, France (May 13)
 Ecole des Mines des Nantes, Nantes, France (May 17)
 Universite Nantes, Dept. of Economics, France (May 17)
 Universite Lyon 1, INSA, Lyon, France (May 19, 26)
 University of Geneva, Geneva, Switzerland (June 2)
 INRIA - Lorraine, Metz, France (June 6)
 Columbia University, New York City (Nov. 22)
 1993 Carnegie Mellon University, GSIA (Oct. 16)
 Carleton University, Ottawa
 1992 Indian Institute of Management, Calcutta, India (Jan. 10)
 Asian Institute of Technology, Bangkok, Thailand (Jan. 20, 21)
 University of British Columbia, Vancouver, B.C. (March 16)
 Universite Louis Pasteur, Strasbourg, France (April)
 INRIA - Lorraine, Metz, France (April)
 Imperial College of Science, Engineering and Medicine, London,
 England, (June 24)
 University of Waterloo, Waterloo, Ontario (July 20)
 1991 University of Canterbury, Christchurch, New Zealand, (March 5, 12, 19)
 Victoria University of Wellington, Wellington, New Zealand (Mar. 22)
 University of Waikato, Hamilton, New Zealand (March 25)
 Auckland University, Auckland, New Zealand (March 26)
 Wichita State University, Wichita, KS (Oct. 1)
 McMaster University, Hamilton, Ontario (Oct. 28)
 1990 University of Toronto, Dept. of Industrial Engineering (November)

The University of New South Wales, Kensington, N.S.W., Australia (Dec.)
 The University of Western Australia, Nedland, W.A., Australia (Dec.)
 1988 GERAD, Universite de Montreal, Montreal
 1987 Fraunhofer Institut fuer Arbeitswirtschaft und Organization,
 Stuttgart, West Germany
 Indian Institute of Management, Bangalore, India
 National Institute for Training in Industrial Eng, Bombay, India
 Universite Louis Pasteur, Strasbourg, France
 Inst. of Mathematics, Polish Academy of Sciences, Warsaw, Poland
 1986 Shanghai Jiao-Tong Univ., Shanghai, China
 Xian Jiao-Tong University, Xian, China
 Nankai University, Tianjin, China
 Zhongshan University, Guangzhou, China
 National University of Singapore, Kent Ridge, Singapore
 Technical University of Helsinki, Helsinki, Finland
 Bogazici University, Istanbul, Turkey
 University of British Columbia, Vancouver, B.C.
 1985 Applied Mathematics, Brown University, Providence, R.I.
 GERAD, Universite de Montreal, Montreal, Quebec
 1984 Technische Universitaet, Vienna, Austria
 University of Modena, Modena, Italy
 Fraunhofer Institut fuer Arbeitswirtschaft und Organisation,
 Stuttgart, Germany
 Institute for Advanced Studies, Vienna, Austria,
 The Australian National University, Canberra, Australia
 The University of New South Wales, Kensington, Australia
 The University of New Castle, New Castle, Australia
 University of Queensland, St. Lucia, Australia
 Monash University, Melbourne, Australia
 National University of Singapore, Kent Ridge, Singapore
 1983 GERAD, Universite de Montreal, Montreal, Quebec
 University of Texas at Dallas, Richardson, Texas
 1982 Tillburg University, Tillburg, The Netherlands
 Industrial & Operations Engineering, U. Of Michigan, Ann Arbor, MI.
 School of Management, SUNY, Buffalo, New York
 1981 Universitaet Konstanz, Konstanz, West Germany
 GERAD, Universite de Montreal, Montreal, Quebec
 1980 Technische Universitaet, Vienna, Austria
 Institute for Advanced Studies, Vienna, Austria
 Universitaet Graz, Graz, Austria
 Universitaet Bremen, Bremen, Germany
 Goethe Universitaet, Frankfurt, Germany
 Indian Institute of Management, Calcutta, India
 INRIA, Rocquencourt, France
 1972-79 Harvard Business School, Boston, MA
 University of Chicago Business School, Chicago, IL
 Sloan School, MIT, Cambridge, MA
 Brookhaven National Laboratory, Upton, NY
 GSIA, Carnegie Mellon University, Pittsburgh, PA
 Wharton, University of Pennsylvania, Philadelphia, PA
 School of Management, SUNY, Buffalo, NY
 Queen's University, Kingston, Ontario

e. Research Grants

<u>Title</u>	<u>Amount</u>	<u>Supporting Agency</u>	<u>Grant Period</u>
Inventory Control with Partial Observations and Inspections (with A. Bensoussan and Metin Çakanyildirim)	\$200,000	NSF	7/1/05-6/30/08
Statistical Updating Methods In Risk and Decision Analysis: Applications to Supply Chains (with A. Bensoussan and Metin Çakanyildirim)	\$79,000	ARP	5/15/06-5/14/08
Research in Operations Mgmt.	\$175,000	Ashbel Smith/UTD	1/8/97 - 03
Analysis of Consumption and Investment Behavior of Agents in Imperfect Markets	\$54,218	SSHRC	1/4/96 - 99
Robust Production Scheduling in High Tech Manufacturing (with H. Yan)	\$65,800	RGC, Hong Kong	1/8/96 - 98
Hierarchical Decision Making In Manufacturing Systems under Uncertainty	\$208,000	NSERC	1/4/93 - 97
Renewal	\$245,000	NSERC	1/4/97 - 01
Studies in Consumption and Investment Behavior of Individuals in Imperfect Markets	\$ 42,000	SSHRC	1/5/93 - 96
Laboratory for Manufacturing Research: Computer Hardware And Software with O. Berman and D. Krass)	\$ 27,360	NSERC	1994 - 95
Renewal	\$11,385	NSERC	1997 - 98
Dynamic Optimization under Uncertainty with Applications to Manufacturing	\$135,000	NSERC	1/4/90 - 93
Wafer Fabrication Scheduling (with S. Lou)	\$100,000	URIF, Ministry of of Colleges and Univ.	15/8/89-92
Decision Horizon Procedures in Dynamic Optimization Problems	\$126,000	NSERC	1/4/87 - 90
Studies in Consumption Investment Behavior of Individuals in Imperfect Markets	\$ 40,750	SSHRC	1/5/87-31/3/91

<u>Title</u>	<u>Amount</u>	<u>Supporting Agency</u>	<u>Grant Period</u>
Decision/Forecast Horizon	12,500	SSHRC	1/7/86 - 87
Theory and Applications to Operations Management		(Leave Fellowship)	
Connaught Senior Research Fellowship in Social Sciences	\$ 69,510	The Connaught Fund	7/1/84 - 85
Planning Horizon Procedures in Dynamic Optimization Problems	\$108,000	NSERC	1/4/84 - 87
Transfer of FMS Technology from U.S. Multinationals to Canadian Subsidiaries	\$ 4,000	SSHRC	1/2/84 - 31/1/85
Studies in Consumption and Investment Behavior of Agents in a Welfare Economy	\$ 28,000	SSHRC	1/1/84 - 30/4/87
Optimal Exploration and Consumption a Natural Resource (with N. Derzko)	\$ 8,000	Imperial Oil Ltd., Toronto	1/3/83 - 84
Renewal	\$ 16,000	Imperial Oil Ltd., Toronto	1/3/84 - 86
Planning Horizons and Forward Algorithms in Dynamic Optimization Problems	\$ 16,200	NSERC	1/4/80 - 81
Renewal	\$ 67,586	NSERC	1/4/81 - 84
Optimal Control Problems 1) State Constraints and 2) Infinite horizon	\$ 14,000	NSERC	1/4/79 - 80
Planning Horizons in Applied Dynamic Optimization Problems	\$ 18,000	U. of Toronto (Research Leave)	1/12/79-30/11/80
Multivariate Econometric Analysis of Supermarket Sales	\$ 11,584	Canada Council (Leave Fellowship)	1/12/79-30/11/80
Multivariate Causality Detection for a) Supermarket Data Interrelationships; b) Disaggregated Money-Income Relationships	\$ 14,000	Canada Council	1/7/78 - 31/12/79
Generalized Programs and Linear Optimal Control Problems with State Constraints	\$ 7,565	NSERC	1/4/77 - 78
Identification and Estimation of Dynamic Sales-Advertising Relationships and their	\$ 12,082	Canada Council	1/9/76 - 77

Causality Implications

Title	Amount	Supporting Agency	Grant Period
Dynamic Transportation Problem and the in Transportation Maximum Principle	\$ 6,760	Joint Program	1/5/76 - 77

f. Other Research Support

Was a Principal Investigator in Manufacturing Research Corporation of Ontario (MRCO). MRCO is a Center of Excellence under a provincial funding of over \$6,000,000 yearly for 1988-1992. Funding for my research was as follows:

Planning, Scheduling & Control of Manufacturing	\$ 38,141	1/1/88 - 31/3/88
	\$ 131,182	1/4/88 - 31/3/89
	\$ 133,800	1/4/89 - 31/3/90
	\$ 143,600	1/4/90 - 31/3/91
	\$ 148,600	1/4/91 - 31/3/92
	\$ 112,800	1/4/92 - 31/12/92
	\$ 20,600	1/1/93 - 30/6/93
General Motors Research Professorship	\$ 40,000	1/7/88 - 30/6/92

g. Service to Profession

(i) Editorial Boards

Corresponding Editor, <i>SIAM Journal On Control and Optimization</i>	2008-Present
Senior Editor, <i>Flexible Services and Manufacturing Journal</i>	2007-Present
Member, <i>Journal on Decision and Risk Analysis</i>	2007-Present
Member, <i>Journal of Systems Science and Systems Engineering</i>	2007-Present
Member, <i>Journal of Industrial and Management Optimization</i>	2004-Present
Assoc. Editor, <i>Automatica</i>	2004-Present
Assoc. Editor, <i>Decision Sciences</i>	2004
Departmental Editor, <i>Production and Operations Management</i>	2003-Present
Senior Editor, <i>Manufacturing and Service Operations Management</i>	2001-2005
Assoc. Editor, <i>Journal of Mathematical Analysis & Applications</i>	2000-2004
Assoc. Editor, <i>Journal of Scientific & Industrial Research</i>	1999-2003
Assoc. Editor, <i>Journal of Statistics and Management Systems</i>	1998-2004
Advisor, <i>Production and Operations Management</i>	1990-2003
Assoc. Editor, <i>Optimal Control Applications & Methods</i>	1980-2004
Assoc. Editor, <i>Operations Research</i>	1994-1996
Assoc. Editor, <i>Int. Journal of Flexible Manufacturing Systems</i>	1992-1997
Assoc. Editor, <i>Journal of Canadian Operational Research Society</i>	1981-1987

(ii) Co-editing Activities

Guest Editor, Special Issue on Optimal Control Applications to Management Sciences, *Automatica*, Vol. 42, No. 8, August 2006.

A Guest Editor, Special Issue on Information Systems and Agile Manufacturing of the *International Journal of Agile Manufacturing*, Vol. 4, No. 2, 2001.

Co-editor, Book Series *Applied Information Technology*, Plenum Pub. Co., New York, 1987-2004.

A Co-editor of the Special Issue on Management Systems of the *Journal of Large Scale Systems Theory and Applications*, Vol. 6, No. 2, Apr. 1984.

Sethi, S.P. and Thompson, G.L. (Eds.), *Special Issue of INFOR on Applied Control Theory*, Vol. 19, No. 4, Nov. 1981.

(iii) Offices/Committee Positions

Advisory Board, AIMS International Directory of Indian Management Educators	2006-present
Board Member, Value Added Tax (VAT) Project in India for World Bank	2004-present
Member, Academic Advisory Council, Great Lakes Institute of Management, Chennai, India	2003-present
Member, DSI Strategic Planning for International Affairs Committee	2003-2005
Member, POMS Nominating Committee	2003
Member, POMS Wickham Skinner Early-Career Research Accomplishment Award Committee	2003-2004
Chair, POMS Wickham Skinner Early-Career Research Accomplishment Award Committee	2004-2005
Secretary, POMS (Production & Operations Management)	2000-2001
Member, CORS Award of Merit Committee	1997-1998
Chairman, CORS Award of Merit Committee	1996-1997

(iv) Reviewer of Research Institutes

Chinese Academy of Science (2005)
GERAD Institute

(v) Reviewer of Grant Proposals

National Science Foundation (USA)
Natural Sciences and Engineering Research Council (Canada)
Australian Research Council (Australia)
Research Grant Council (Hong Kong)
Israel Science Foundation (Israel)

(vi) Keynote/Plenary Talks at Conferences/Distinguished Lectures

He, X., Prasad, A., and Sethi, S.P., "Cooperative Advertising and Pricing in a Dynamic Stochastic Supply Chain: Feedback Stackelberg Equilibrium," International Conference on Differential Equations and Topology, June 21, 2008, Moscow, Russia.

Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "i3: Incomplete Inventory Information the Next Challenge," *International Foundation of Production Research Conference (IFPR)*, July 29-August 2, 2007, Valparaiso, Chile.

He, X., Gutierrez, G.J., and Sethi, S.P., "A Review of Stackelberg Differential Game Models in Supply Chain Management," *Fourth IEEE International Conference on Service Systems and Service Management (ICSSM07)*, June 9-11, 2007, Chengdu, China.

Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "i3: Incomplete Inventory Information the Next Challenge," *11th WSEAS International Conference on Applied Mathematics*, March 22, 2007, Dallas, TX.

Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "i3: Incomplete Inventory Information the Next Challenge," *XII CLAIO*, November 27-30, 2006, Montevideo, Uruguay, (Keynote Address).

Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "i3: Incomplete Inventory Information the Next Challenge," *IEEE International Conference - ICSSM06*, October 25-27, 2006, Troyes, France, (Keynote Address).

Gan, X., Sethi, S.P., and Yan, H., "Coordination of a Supply Chain with Risk-Averse Agents," Keynote Speech, *VIII Annual International Conference of The Society of Operations Management*, December 17-20, 2004, Mumbai, India.

Dawande, M., Gavirneni, S., Naranpanawe, S., and Sethi, S.P., "Computing Minimal Forecast Horizons in Dynamic Lot-Sizing: An Integer Programming Approach," *Second International Workshop DOM-2004*, July 25, 2004, Irkutsk, Russia.

Sethi, S.P., "Intelligent Supply Networks: India's Role in 2020," Keynote Address, *5th International Management Convention*, January 10, 2004, Jodhpur, India.

Zhang, Q. and Sethi, S.P., "Near Optimization of Stochastic Dynamic Systems by Decomposition and Aggregation," *International Workshop on Singular Perturbations in Dynamical Systems, Control and Optimization, in the Memory of A. A. Pervozvanskii*, December 7-10, 2000, Adelaide, Australia.

Huang, H., Yan, H., and Sethi, S.P., "Purchase Contract Management with Demand Forecast Updates," *The Second West Lake International Conference on Small & Medium Business*, October 16-18, 2000, Zhejiang University of Technology, Hangzhou, China.

Sethi, S.P., Yan, H., and Zhang, H., "Peeling Layers of an Onion: A Periodic Review Inventory Model with Multiple Delivery Modes and Forecast Updates," *21st National Meeting on Operational Research and Industrial Engineering*, June 12-14, 2000, Eastern Mediterranean University, Gazimagusa, Turkish Republic of Northern Cyprus.

Sethi, S.P., "Optimal Consumption - Investment Decisions Allowing for Bankruptcy: A Survey," *Optimization Days 2000*, May 15-17, 2000, Montreal, Canada.

Sethi, S.P., "Optimal Consumption - Investment Decisions Allowing for Bankruptcy: A Brief Survey," *International Workshop on Markov Processes & Controlled Markov Chains*, August 22-28, 1999, Changsha, China.

Sethi, S.P., "Optimal Consumption - Investment Decisions Allowing for Bankruptcy: A Survey," *Indian Science Congress*, January 5, 1998, Hyderabad, India.

Sethi, S.P., "Optimal Production Planning in a Stochastic N -Machine Flowshop with Long-Run Average Cost," *Indian National Science Academy*, October, 1998, New Delhi, India.

Sethi, S.P., Zhang, H., and Zhang, Q., "Minimum Average-Cost Production Planning in Stochastic Manufacturing Systems," *Barrett Lecture*, March 22, 1997, The University of Knoxville, Knoxville, KY.

Sethi, S.P., "Some Insights into Near-Optimal Plans for Stochastic Manufacturing Systems," *The SIAM-AMS Workshop on Mathematics of Stochastic Manufacturing Systems*, June 17-22, 1996, Williamsburg, VA.

Sethi, S.P., "Some Insights into Near-Optimal Plans for Stochastic Manufacturing Systems," *Distinguished Speakers Workshop on Markov Chains*, 1995, University of South Australia, Adelaide, Australia.

1994: *Slovensko Drustvo Informatika*, Portoroz, Slovenia
1992: *Forest Management Hierarchical Planning Workshop*, Toronto, Canada
1990: International Conference on Operations Research, Vienna, Austria
1987: II International Conference on Production Systems, Paris, France
1984: *VIII Convegno, A.M.A.S.E.S.*, Modena, Italy

(vii) Conference Session Organization/Chairs; Program Committees; Panels

Scientific Panel on Mathematical Programming and Industrial Applications 2 (continuous Optimization and Application to Engineering and Production Processes), International Congress on Industrial and Applied Mathematics (ICIAM 2011), Vancouver, BC, Canada, July 18-22, 2011.

International Program Committee, Conference on Systems and Control, Montreal, Quebec, Canada, July 6-8, 2009.

International Program Committee, 13th IFAC Symposium on Information Control Problems in Manufacturing (INCOM'09), Moscow, Russia, June 3-5, 2009.

International Program Committee, International Conference on Operations and Supply Chain Management, Taipei, Taiwan, July 29-August 2, 2008.

Cluster Co-Chair, "Manufacturing," INFORMS Annual Meeting, Seattle, WA, November 4-7, 2007.

Session Co-Chair, "Partially Observed Inventory Systems," EURO XXI, Reykjavik, Iceland, July 2-5, 2006.

International Program Committee, 12th IFAC Symposium on Information Control Problems in Manufacturing (INCOM'06), Saint Etienne, France, May 17-19, 2006.

International Advisory Committee Member, IX Annual SOM Conference, Pondicherry University, Pondicherry, India, December 16-18, 2005.

Session Chair, "Supply Chain Management," DSI, Barcelona, Spain, July 4, 2005.

International Scientific Committee Member, *International Conference on Enterprise Resource Planning and Supply Chain Management (ERP-SCM 2004)*, Hull, UK, June 21-25, 2004.

International Scientific Committee Member, *RSCMC '04, International Conference on "Responsive Supply Chain and Manufacturing Competitiveness - A Technology Watch"*, Coimbatore, India, January 8-10, 2004.

Panel Member, "Discussion on Research Collaborations," Birla Institute of Technology & Science, Pilani, India, January 3, 2004.

Panel Member, "Research in Doctoral Programs," IV SOM Conference, Indore, India, December 19-21, 2003.

Session Chair, "Stochastic Inventory Models II," INFORMS, San Jose, CA, November 17-20, 2002.

International Program Committee Member, *International Conference On Global Supply Chain Management (ICGSCM '2002)*, Beijing, China, August 5-7, 2002.

International Scientific Committee Member, *SCMIS'2001, International Conference on Supply Chain Management and Information Systems in the Internet Age*, Hong Kong, December 17-19, 2001.

International Program Committee Member, *ICOTA'2001, The 5th International Conference on Optimization: Techniques and Applications*, Hong Kong, December 15-17, 2001.

Track Co-chair, "Operations Planning, Scheduling and Control," *POM 2001*, Orlando, FL, March 30-April 2, 2001.

Panel Member, "Academic Job Market," *INFORMS 2000 Doctoral Colloquium*, San Antonio, TX, November 3-4, 2000.

Cluster Chair, "Production and Inventory Planning under Uncertainty," *INFORMS*, Seoul, Korea, June 19-21, 2000.

Cluster Chair, "Production Planning and Control under Uncertainty," *INFORMS*, Salt Lake City, May 7-10, 2000.

Panel Member, *Global Supply Chain Management into the 21st Century*, Hong Kong, August 13-14, 1999.

International Program Committee Member, *ICOTA '98, International Conference on Optimization: Techniques and Application*, Perth, Australia, June 22-26, 1998.

Invited Session Chair, "Production Planning and Inventory Management," *International Symp. on Math. Programming*, Lausanne, Switzerland, Aug. 24-29, 1997.

Invited Session Co-organizer (with Q. Zhang), "Planning and Scheduling in Stochastic Manufacturing Systems," *INFORMS Applied Probability Conference*, Boston, June 30 - July 2, 1997.

Cluster Chair, "Production Control with Uncertainty," *INFORMS*, San Diego, May 4-7, 1997.

Cluster Chair, "Models of Stochastic Manufacturing Systems," *ORSA/TIMS*, New Orleans, Oct. 29 - Nov. 1, 1995.

Scientific Committee Member, *1995 Emerging Technologies and Factory Automation Conference*, Paris, France, Oct. 10-13, 1995.

Organizing Committee Member, *WISOR'95, International Workshop on Intelligent Scheduling of Robots and FMS*, July 2, Holon, Israel and July 6, Jerusalem, Israel, 1995.

Session Chair, "Scheduling Jobs and Orders," *ORSA/TIMS*, Detroit, Oct. 23-26, 1994.

Invited Session Chair, "Optimal and Hierarchical Decisions in Manufacturing," *ORSA/TIMS*, Boston, April 24-27, 1994.

Invited Session Chair, "Scheduling of Dynamic Manufacturing Systems" *ORSA/TIMS Phoenix*, Oct. 31 - Nov. 3, 1993.

Invited Session Co-chair (with J. Lasserre), "Production Planning in Stochastic Manufacturing Systems," *International Federation of Automatic Control Congress 1993*, Sydney Australia, July 18-23, 1993.

Invited Session Co-chair (with J. Lasserre), "Modeling Manufacturing Systems with Uncertainty," *International Federation of Automatic Control Congress 1993*, Sydney, Australia, July 18-23, 1993.

Invited Session Co-chair (with Cecilia Temponi), "Systems Theory Applications in Manufacturing Systems," *31st IEEE CDC*, Tucson, AZ, Dec. 16-18, 1992.

Session Chair, "Lot Sizes and Inventory Considerations in Scheduling," *POM-92*, Orlando, FL, Oct. 18-21, 1992.

Chair, General Applications of Operational Research, *ORSI*, Bangalore, India, Dec. 26-28, 1991.

Cluster Chair of Sessions on Modeling Manufacturing Systems, *TIMS XXX- SOBRAPO XXIII, Joint International Meeting*, Rio de Janeiro, Brazil, July 15-17, 1991.

Invited Session Co-chair (with Q. Zhang), "Stochastic Optimization in Manufacturing," *29th IEEE CDC*, Honolulu, Hawaii, Dec. 5-7, 1990.

Panel Member, "Conceptual Framework for Flexibility in Manufacturing," *ORSA/TIMS*, Philadelphia, Oct. 29-31, 1990.

Session Co-Chair (with Sheldon Lou), "Scheduling Problems Encountered in Hi-Tech Industry," *CORS Meeting*, Ottawa, May 1990.

Session Co-Chair (with Andrew Kusiak), "Mathematical Programming in Manufacturing," at the *13th International Symposium on Mathematical Programming*, Tokyo, Japan, Aug. 29 - Sept. 2, 1988.

Session Chair, "Stochastic Control, Game Theory and Applications," at the *EURO IX/TIMS XXVIII*, Paris, France, July 6-8, 1988.

Session Co-chair (with Defne Berkin), "Dynamic Consumption Investment Models" at the *ORSA/TIMS St. Louis*, St. Louis, Oct. 25-28, 1987.

Program Committee Member, *The Third International Conference on Advances in Production Management Systems*, Winnipeg, Manitoba, Aug. 11-14, 1987.

Session Chair, "Stochastic Models in Manufacturing," at the *TIMS/ORSA New Orleans*, May 11-13, 1987.

Program Committee Member, *2nd International Conference on Production Systems: Scientific, Economic, and Strategic Approach*, Paris, France, Apr. 6-10, 1987.

Invited Session Co-chair (with Alain Haurie), "Optimal Control and Management Science/Economics Applications" at the *25th IEEE Conference on Decision and Control*, Athens, Greece, Dec. 10-12, 1986.

Session Chair, "Investment Strategy" *TIMS/ORSA Boston*, Boston, April 29-May 1, 1985.

Session Chair, "Applied Optimal Control" *25th Annual Conference of the Canadian Operational Research Society*, Winnipeg, Manitoba, May 24-26, 1983.

Session Chair, "Optimal Control Models in Economics and Management Science"
Optimization Days, Montreal, May 13-14, 1982.

Session Chair, "Natural Resources Management" at the *Joint National TIMS/ ORSA Meeting* in Detroit, MI., April 18-21, 1982.

Cluster Chair for Optimal Control and Dynamic Programming Area at the *TIMS International Meeting*, Honolulu, Hawaii, June 1979.

Session Chair, "Inventory Models" at the *Joint National TIMS/ORSA Meeting in New Orleans*, LA., April 30-May 2, 1979.

Session Co-chair (with George Haines), "OR/MS in Advertising," at the *Joint National Meeting of ORSA and TIMS in Las Vegas*, Nov. 17-19, 1975.

VI. UNIVERSITY SERVICE

a. University of Toronto

Operations Management - Area Coordinator	1995-1997
Learning Resources Committee	1996-1997
Coordinator, Ph.D. Program in Operations Management	1989-95
Ph.D. Committee	1981-82, 1987-95
Promotions Committee	1979-86, 1994-95
Admissions and Standards Committee	1978-80, 1985-87
Computer Committee	1983-84
Curriculum Committee	1974-76, 1980-83
Ad Hoc Committee on Management Research Forum	1974-75
Library Committee	1973-74

b. University of Texas at Dallas

Research and Ph.D. Committee, School of Management	1997-2008
Committee on Faculty Standing and Conduct	1998-2001
Tenure Review Committee: Y. Ryu	1998-1999
Recruiting Committee in Operations Management	1998-present
Ad Hoc Committee: Y. Xu	1998-1999
Academic Policy & Planning Committee, School of Management	1999-present
Personnel Review, School of Management	1999-2006
University Research Council	2000-2001
Search Committee for VP Research	2000-2001
Ad Hoc Committee Chairman: R. Gupta	2000-2001
Ad Hoc Committee: S. Janakiraman	2000-2001
Full Professor Promotion Committee: C. Sriskandarajah	2000-2001
Recruiting committee in Information Systems	2001-2002
Facility Committee, School of Management	2001-2003; 2005
Tenure Review Committee: Y. Xu	2001-2002
Strategic Planning Committee - Chair, Research SAT	2002
Tenure/Promotion Review Committee Chairman: M. Dawande	2002,2007
Ad Hoc Committee: M. Çakanyildirim	2002
Full Professor Promotion Committee: C. Bambach	2002
Faculty Advisory Committee, Institute for Excellence in Corporate Governance	2003
Intellectual Property Committee	2003-2005
Art Committee, School of Management	2003
Tenure/Promotion Review Committee: A. Prasad	2004

Faculty Hearing Tribunal	2004-present
School Peer Review Committee for SOM	2004, 2006
Tenure Review Committee Chairman: M. Çakanyildirim	2005-2006
Tenure Review Committee Chairman: A. Bensoussan	2006
Tenure/Promotion Committee: E. Haruvy	2007
Advisory Committee on Research	2009-present
Tenure Review Committee Chairman: O. Ozer	2009
Tenure Review Committee Chairman: G. Janakiraman	2009

c. University of Texas at Dallas Delegations

Indian Institute of Technology, India (Bombay, Delhi, Kanpur, Roorkee),
December 2004.

Center for Mathematics Research (CIMAT), Guanajuato, Mexico, November 2004.

d. Thesis Committees

University of Texas at Dallas:	N. Subramanian	Computer Science, 2003
	H. Neil Geismar	Operations Mgmt., 2003
	Subodha Kumar	Operations Management, 2001
The Chinese Univ. of Hong Kong:	Choi Tsan Ming	External Examiner, 2002
University of South Australia	Minh-Tuan Nguyen	External Examiner, 1999
University of Toronto:	Richard Bird	Business Economics
	Nguyen Manh-Hung	Political Economy
	Tim Muzondo	Political Economy
	David Yao	Industrial Engineering
	Hichem Kamoun	Ind. Engineering, 1994
	Chen Wei Xu	Operations Management, 1995
	Youhua Chen	Operations Management, 1996
	Shu Lin Chen	Electrical Eng., 1996
	T. Ganesharajah	Mech. & Ind. Eng., 1997
Carnegie Mellon University:	Suresh Chand	Operations Mgmt., 1977-78

e. Doctoral Students Supervised/Co-Supervised

<u>Name</u>	<u>Year</u>	<u>Current Position</u>
Houmin Yan	1989-94	Chinese University of Hong Kong, Shatin, HK
Yingmeng Wang	1990-95	Bank of Montreal, Toronto, Canada
Feng Cheng	1990-95	IBM Research Div., T.J. Watson Research Center, NY
Xiaohang Yue	1998-02	University of Wisconsin, Milwaukee, WI
A. Krishnamoorthy	2000-04	University of Central Florida, Orlando, FL
Xianghua Gan	2000-05	Hong Kong Polytechnic University, HK
Sirong Luo	2000-05	Capital One Financial Service Co
J. Zhou	2000-06	University of North Carolina, Charlotte, NC
Lama Moussawi	2002-06	American University of Beirut, Lebanon
Qi Feng	2003-06	University of Texas, Austin, TX
R. Shi	2004-09	University of Richmond, Richmond, VA

f. Post-Doctoral Fellows Supervised

<u>Name</u>	<u>Year</u>	<u>Current Position</u>
Sita Bhaskaran	1979-82	General Motors Research Labs, Warren, MI
Richard Hartl	1982-83	Professor, University of Vienna, Austria
H. Mortazavian	1983-84	Associate Research Engineer, Center of Flight Systems Research, UCLA
Christian Bes	1984-86	Ingenieur, Aerospatiale Co. and Professor, Paul Sabatier University, Toulouse, France
C. Sriskandarajah	1986-87	Professor, University of Texas at Dallas
A. Gunasekaran	1987-88	Professor, University of Massachusetts,

		North, Dartmouth, MA
Sheldon Lou	1987-88	Professor, California State University, San Marcos, CA
Gerhard Sorger	1988-89	Professor, University of Vienna, Vienna, Austria.
Wieslaw Kubiak	1988-90	Associate Professor, Memorial University of Newfoundland
Qing Zhang	1989-91	Associate Professor, University of Georgia, Athens, GA
Jiong Jiang	1990-91	Analyst, CIBC, Toronto, Ontario
Elena Kritchagina	1990-91	---
Xunyu Zhou	1991-93	Associate Professor, The Chinese University of Hong Kong, Hong Kong
Steeff van de Velde	1992-93	Professor, Erasmus University, Rotterdam, The Netherlands
Chand Samaratinga	1992-93	CEO, Lanka Internet Services, Colombo, Sri Lanka
Abel Cadenillas	1993-94	Professor, University of Alberta, Edmonton
Wulin Suo	1994-96	Assistant Professor, Queens University, Kingston, Canada
Dirk Beyer	1995-97	Project Manager, Hewlett Packard Labs, Palo Alto, CA
Ramaswamy Sridhar	1996-97	Senior Consultant, i2 Technologies, Burlington, Ontario, Canada
Mark Levin	1998-98	Research Assoc., College of Judea and Samaria, Israel
Hanqin Zhang	1996-99	Professor, The Chinese Academy of Sciences, Beijing, China
Arnab Bisi	1997-99	Assistant Professor, Purdue University, West Lafayette, IN
Inna Drobouchevitch	1999-00	Researcher, Hitron Systems, Inc., Korea
Ruihua Liu	2003-04	Assistant Professor, University of Dayton, Dayton, OH
Rong Zhang	2004-05	Assistant Professor, Chong Qing University
J. Minjárez-Sosa	2006-07	Associate Professor, University of Sonora,, Mexico
Yingping Mu	2008	Associate Professor, University of Electronic Science And Technology of China, Chengdu, China
Amit Bardhan	2009	Associate Professor, University of Delhi, New Delhi, India

VII. COMMUNITY SERVICE

Judge, Plano Independent School District Science Fair, 1998-00

VIII. REFERENCES

Available on request.