

## SURESH P. SETHI

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### I. BIOGRAPHICAL DATA

#### a. Education

	<u>Degree</u>	<u>Date</u>
<b>Carnegie Mellon University</b> , Pittsburgh, PA (1969-1971) Graduate School of Industrial Administration Major: Operations Research; Minor: Industrial Administration Dissertation: Applications of Optimal Control Theory in Management Science and Economics Cumulative GPA 4.0/4.0	Ph.D. <b>M.S.I.A.</b>	5/15/1972 5/17/1971
<b>Washington State University</b> , Pullman, WA (1967-1969) School of Business Administration Major: Production Management Cumulative GPA 4.0/4.0	<b>M.B.A.</b>	6/8/1969
<b>Indian Institute of Technology</b> , Bombay, India (1962-1967) Major: Mechanical Engineering; Minor: Industrial Engineering Graduated with Honors	<b>B. Tech.</b>	8/24/1967

#### b. Honors and Awards

- 2015 **Alumni Achievement Award, Tepper School, Carnegie Mellon University** (August 30) ([link](#))
- 2012 **President, Production and Operations Management Society (POMS)**, a leading international society in the area with over 2000 members.  
**INFORMS Financial Services Section Best Student Research Paper Award (Second Place)**, at the 2012 INFORMS Annual Meeting in Phoenix, AZ (October 14-17)
- 2011 **Honored by POMS** in its flagship journal Production and Operations Management, Vol. 20, No. 6 (<http://onlinelibrary.wiley.com/doi/10.1111/j.1937-5956.2011.01187.x/full>)
- 2009 **Fellow, Society for Industrial and Applied Mathematics (SIAM)**  
Citation: For contributions in optimal control applied to the management sciences and economics.  
**Best Paper Award** at the 13<sup>th</sup> 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. (March 10)
- 2006 **International Conference on Management Sciences: Optimization Models and Applications in Honor of Professor Suresh Sethi**, Univ. 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 2<sup>nd</sup> World Conference on POM, 15<sup>th</sup> 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.
- 2002 **Fellow, Institute of Electrical and Electronics Engineers (IEEE)**  
Citation: For contributions to control and optimization of management and economic systems.
- 2001 **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 IC<sup>2</sup> 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."
- 1998 **C.Y.O'Connor Fellow**, Curtin University, Perth, Australia (June-July)
- 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 path breaking. His publications include over 120 articles in leading academic journals.
- 1992 **Best Paper Award at POM-92 (second prize)**, The 3<sup>rd</sup> 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**

2011-present Eugene McDermott Professor of Operations Management, Naveen Jindal School of Management, University of Texas at Dallas  
2006-2011 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/Director of Laboratory for Manufacturing Research, University of Toronto  
1988-1992 General Motors Research Professor of Operations Management, Faculty of Management, University of Toronto  
1978-1988 Professor of Operations Management, Faculty of Mgmt., Univ. of Toronto  
1974-1977 Associate Professor (with Tenure), Faculty of Management, Univ. of Toronto  
1973-1974 Assistant Professor, Faculty of Mgmt., Univ. of Toronto  
1977-1978 Visiting Associate Professor, Graduate School of Industrial Administration, Carnegie Mellon University, Pittsburgh, PA  
(Spring/Summer) 1972-1973 Assistant Professor of Management Science, Department of Economics and Accounting, Rice University, Houston, TX  
1969-1970 Instructor in Finance, Administration and Management Science Program, Carnegie Mellon University, Pittsburgh, PA  
(2 semesters)  
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, Dept. of Production Mgmt., Univ. of Vienna, Vienna, Austria  
June-July, 1998 Visiting Professor, Department of Mathematics, Curtin University, Perth, Australia  
July, 1997 Visiting Professor, Dept. of Systems Engineering, Chinese Univ. of Hong Kong  
April, 1996 Guest Professor, Dept. of Production Mgmt., University of Vienna, Vienna, Austria  
May/June, 1995 Distinguished Visiting Professor, Dept. of Systems Engineering Chinese University of Hong Kong

April-June, 1994 Municipal Chair Professor, University of Lyon, Lyon, France  
Feb-March, 1991 Erskine Fellow, Univ. 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 Univ., 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, Brookhaven National Laboratory, Upton, NY  
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, Dept. of Operations Research, Stanford Univ., 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 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.
2. Sethi, S.P. and Thompson, G.L., *Solutions Manual for Optimal Control Theory: Applications to Management Science*, Martinus Nijhoff, Boston, 1981 (135 pages).
3. 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.

4. 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)
5. 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.
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*, Jan.-Feb. 2009.
9. Beyer, D., Cheng, F., Sethi, S.P., and Taksar, M.I., *Markovian Demand Inventory Models*, in series: International Series in Operations Research and Management Science, Springer, New York, NY, 2010. (253 pages – ISBN 978-0-387-71603-9)
10. Sethi, S.P., Bogataj, M., and Ros-McDonnell, L., *Industrial Engineering: Innovative Networks, Annals of Industrial Engineering 2011*, Springer, New York, NY, 2012. (396 pages – ISBN 978-1-4471-2320-0)

**c. Books and Monographs (forthcoming)**

1. Sethi, S.P. and Thompson, G.L., *Optimal Control Theory: Applications to Management Science and Economics*, Third Edition, Springer.
2. Sethi, S.P. and Thompson, G.L., *Solution Manual for Optimal Control Theory: Applications to Management Science and Economics*, Third Edition, Springer.
3. Sethi, S.P., *Dynamic Advertising*, Springer.
4. Bensoussan, A. Çakanyildirim, M., and Sethi, S.P., *I3: Incomplete Inventory Information Models*, 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., Feng, Q., and Sethi, S.P., “Integrating Equipment Investment Strategy with Maintenance Operations under Uncertain Failures,” *Annals of Operations Research*, 2015, forthcoming.
2. Gou, Q., Sethi, S.P., Yue, J., and Zhang, J., “Push and Pull Contracts in Local Supply Chains with an Outside Market,” *Decision Sciences*, 2016, forthcoming.
3. Sethi, S.P. and Li, T., “A Review of Dynamic Stackelberg Game Models,” *Discrete and Continuous Dynamical Systems - Series B (DCDS-B)*, 2017, forthcoming.
4. Dogramaci, A. and Sethi, S.P., “Organizational Nimbleness and Operational Policies: The Case of Optimal Control of Maintenance under Uncertainty,” *Dynamic Perspectives on Managerial Decision Making, Essays In Honor of Richard F. Hartl*, in Series: Dynamic Modeling and Econometrics in Economics and Finance, W. Semmler and S. Mittnik (Eds.), Springer, 2016 forthcoming.

5. Huang, Y., Geismar, H.N., Rajamani, D., Sethi, S.P., Sriskandarajah, C., Carlos, M., "Optimizing Logistics Operations in a Country's Currency Supply Network," *IIE Transactions*, 2016, forthcoming.
6. Luo, S., Sethi, S.P. and Shi, R., "On the Optimality Conditions of a Price-Setting Newsvendor Problem," *OR Letters*, 2016, forthcoming.
7. Li, T. Sethi, S.P. and Zhang, J., "Mitigating Supply Uncertainty: The Interplay between Diversification and Pricing," *Production and Operations Management*, 2016, forthcoming.
8. Ji, Yonghua, Kumar, S. and Sethi, S.P., "Needle Exchange for Controlling HIV Spread Under Endogenous Infectivity," *INFOR*, 2016, forthcoming.
9. Bensoussan, A., Feng, Q., S. Luo, and Sethi, S.P., "Evaluating Long-Term Service Performance under Short-Term Forecast Updates," *International Journal of Production Research*, 54(17), 2016, 5236-5249.
10. Guan, X., Li, G., Sethi, S.P., "The Implication of Vendor Inventory Liability Period in a Decentralized Assembly System," *International Journal of Production Research*, 54(17), 2016, 5029-5044.
11. Liu, G., Sethi, S.P., and Zhang, J. "Myopic vs. Farsighted Behaviors in a Revenue-Sharing Supply Chain with Reference Quality Effects," *International Journal of Production Research*, 54(5), 2016, 1334-1357.
12. Li, M., Sethi, S.P., and Zhang, J., "Competing with Bandit Supply Chains," *Annals of Operations Research*, 240(2), 2016, 617-640.
13. Bensoussan, A., Çakanyildirim, M., Li, M., and Sethi, S.P., "Managing Inventory with Cash Register Information: Sales Recorded but Not Demands," *Production and Operations Management*, 25(1), 2016, 9-21.
14. Sethi, S.P., "Inventory Theory," *Encyclopedia of Systems and Control*, J. Baillieul and T. Samad (Eds.), Springer-Verlag London, 2015, 591-595.
15. Gupta, V., He, B., and Sethi, S.P., "Contingent Sourcing under Supply Disruption and Competition," *International Journal of Production Research*, 53(10), 2015, 3006-3027.
16. Li, T., Sethi, S.P., and He, X., "Dynamic Pricing, Production, and Channel Coordination with Stochastic Learning," *Production and Operations Management*, 24(6), 2015, 857-882.
17. Bensoussan, A., Cakanyildirim, M., Li, M, and Sethi, S.P., "Inventory Management with Overlapping Shrinkages and Demands," *Risk and Decision Analysis*, 5(4), 2014, 189-210.
18. Li, T. Sethi, S.P. and Zhang, J., "Supply Diversification with Iseolastic Demand," *International Journal of Production Economics*, 157, 2014, 2-6.
19. Liang, C., Sethi, S.P., Shi, R., and Zhang, J., "Inventory Sharing with Transshipment: Impacts of Demand Distribution Shapes and Setup Costs," *Production and Operations Management*, 23(10), 2014, 1779-1794.
20. Li, T., Sethi, S.P., and He, X., "Pricing, Production, and Channel Coordination with Stochastic Learning," *Proceedings of the 15th Asia Pacific Industrial Engineering & Management Systems Conference (APIEMS 2014)*, Jeju, Korea, October 12-15, 2014.
21. Zhao, Y., Choi, T.-M., Cheng, T.C.E., Sethi, S.P., and Wang, S., "Buyback Contracts with Price-Dependent Demands: Effects of Demand Uncertainty," *European Journal of Operational Research*, 239, 2014, 663-673.
22. Wang, H., Liang, X., Sethi, S.P., and Yan, H., "Inventory Commitment and Prioritized Backlogging Clearance with Alternative Delivery Lead Times," *Production and Operations Management*, 23(7), 2014, 1227-1242.
23. Çakanyildirim, M., Liang, C., and Sethi, S.P., "Analysis of Product Rollover Strategies in the Presence of Strategic Customers," *Management Science*, 60(4), 2014, 1033-1056.
24. Alsuwinea, A., Benkherouf, L., and Sethi, S.P., "Optimal Batch Ordering over a Finite Horizon," *International Journal of Operational Research*, 19(4), 2014, 385-406.

25. Bensoussan, A., Çakanyildirim, M., Li, M., and Sethi, S.P., "Optimal Inventory Control with Shrinkage and Observed Sales," *Stochastics: An International Journal of Probability & Stochastic Processes*, Taksar Memorial Issue, 85(4), 2013, 589-603.
26. Li, T. Sethi, S.P. and Zhang, J., "How Does Pricing Power Affect a Firm's Sourcing Decisions from Unreliable Suppliers?" *International Journal of Production Research*, 51(23-24), 2013, 6990-7005.
27. Chand, S. and Sethi, S.P., "Multi-Period Lot-Sizing with Stationary Demand: Extension to Forecast Horizons," *Handbook of EOQ Inventory Problems: Stochastic and Deterministic Models and Applications*, T.-M. Choi (Ed.), Springer, 2013, 23-42.
28. Sethi, S.P. and Shi, R., "Managing with Incomplete Inventory Information (i3)," *Proceedings of the 7th IFAC Conference on Manufacturing, Modelling, Management and Control (MIM 2013)*, Saint Petersburg, Russia, June 19-21, 2013, 1-6.
29. Li, T. Sethi, S.P. and Zhang, J., "Supply Diversification with Responsive Pricing," *Production and Operations Management*, 22(2), 2013, 447-458.
30. Bardhan, A.K., Dawande, M., Gavirneni, S., Mu, Y., and Sethi, S.P., "Forecast and Rolling Horizons under Demand Substitution and Production Changeovers: Analysis and Insights," *IIE Transactions*, 45, 2013, 323-340.
31. Haruvy, E., Li, T., and Sethi, S.P., "Two-Stage Pricing for Custom-Made Products," *European Journal of Operational Research*, 219 (2), 2012, 405-414.
32. Rajamani. D. and Sethi, S.P., "The Product View and its Impact on Supply Chain Excellence," *Proceedings of the First International Conference on Best Practices in Supply Chain Management*, Bhubaneswar, India, November 22-23, 2012, 655-657.
33. Çakanyildirim, M., Feng, Q., Gan, X., and Sethi, S.P., "Contracting and Coordination under Asymmetric Production Cost Information," *Production and Operations Management*, 21(2), 2012, 345-360.
34. Bensoussan, A., Feng, Q., and Sethi, S.P., "Evaluating Long-Term Service Performance under Short-Term Forecast Updates," *Proceedings of the 14<sup>th</sup> IFAC Symposium on Information Control Problems in Manufacturing*, Bucharest, Romania, May 23-25, 2012, CD, paper #84.
35. 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*, 56(12), 2011, 2869-2882.
36. Gan, X., Sethi, S.P., and Yan, H., "Coordination of a Supply Chain with Risk-Averse Agents," with addendum, *Innovative Schemes for Supply Chain Coordination Under Uncertainty*, T.-M. Choi and T.C. Edwin Cheng (Eds.), Springer, 2011, 3-37.
37. Bensoussan, A., Çakanyildirim, M., Sethi, S.P., and Shi, R., "Computation of Approximate Optimal Policies in Partially Observed Inventory Model with Rain Checks," *Automatica*, 47, 2011, 1589-1604.
38. 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*, 13(1), 2011, 73-88.
39. Khmelnitsky, E., Presman, E., and Sethi, S.P., "Optimal Production Control of a Failure-Prone Machine," *Annals of Operations Research*, 182(1), 2011, 67-86.
40. Sethi, S.P., "i3: Incomplete Information Inventory Models," *Decision Line*, October 2010, 16-19; reprinted in *Proceedings of the First International Conference on Best Practices in Supply Chain Management*, Bhubaneswar, India, November 22-23, 2012, 658-662.
41. Dawande, M., Gavirneni, S., Mu, Y., and Sethi, S.P., "On the Interaction between Demand Substitution and Production Changeovers," *Manufacturing & Service Operations Management*, 12(4), 2010, 682-691.
42. 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," *Journal of Optimization Theory and Applications*, 146(3), 2010, 544-580.



43. Bensoussan, A., Çakanyildirim, M., and Sethi, S.P., "Filtering for Discrete-Time Markov Processes and Applications to Inventory Control with Incomplete Information," *The Oxford Handbook on Nonlinear Filtering*, D. Crisan and B. Rozovskii (Eds.), Oxford University Press, 2010, 500-525.
44. Choi, T.-M. and Sethi, S.P., "Innovative Quick Response Programs: A Review," *International Journal of Production Economics*, 127(1), 2010, 1-12.
45. 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 Operational Research*, 203(1), 2010, 70-80.
46. Feng, Q. and Sethi, S.P., "Procurement Flexibility under Price Uncertainty," in *Innovative Quick Response Programs in Logistics and Supply Chain Management*, International Handbooks on Information Systems Series, T. C. Edwin Cheng and Tsan-Ming Choi, (Eds.), Springer, 2010, 63-90.
47. Benkherouf, L. and Sethi, S.P., "Optimality of  $(s,S)$  Policies for a Stochastic Inventory Model with Proportional and Lump-sum Shortage Costs," *Operations Research Letters*, 38, 2010, 252-255.
48. Gan, X., Sethi, S.P., and Zhou, J., "Commitment-Penalty Contracts in Drop-shipping Supply Chains with Asymmetric Demand Information," *European Journal of Operational Research*, 204, 2010, 449-462.
49. Bensoussan, A., Çakanyildirim, M., Royal, A., and Sethi, S.P., "Bayesian and Adaptive Controls for a Newsvendor Facing Exponential Demand," *Risk and Decision Analysis*, 1(4), 2009, 197-210.
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<b>e. Professional Journal Articles - Summary by Journals (Publisher)</b>	<b>Published Articles</b>	<b>In Press</b>
<i>Advances in Applied Probability</i>	1	
<i>The Annals of Applied Probability</i> (Institute of Mathematical Statistics)	1	
<i>Annals of Operations Research</i> (Springer)	7	2
<i>Applied Mathematical Modeling</i> (Elsevier)	1	
<i>Applied Mathematics and Computation</i>	1	
<i>Applied Mathematics and Optimization</i> (Springer)	1	
<i>Applied Stochastic Control in Econometrics and Management Science</i> (Elsevier)	1	
<i>Automatica</i> (Elsevier)	5	
<i>Biometrics</i>	1	
<i>Canadian Journal of Administrative Sciences</i>	1	
<i>Comptes Rendus de l'Academie des Sciences</i>	1	
<i>Decision Line</i>	2	
<i>Decision Sciences</i>	2	1
<i>Discrete Event Dynamic Systems: Theory and Applications</i> (Springer)	1	
<i>Dynamics of Continuous, Discrete and Impulsive Systems</i>	1	
<i>Dynamic Games and Applications</i>	1	
<i>Economic Theory</i> (Springer)	1	
<i>European Journal of Operational Research (E.J.O.R.)</i> (Elsevier)	17	
<i>IEEE Transactions on Automatic Control</i> (IEEE)	8	
<i>IEEE Transactions on Automation Science and Engineering</i> (IEEE)	1	
<i>IEEE Transactions on Engineering Management</i> (IEEE)	1	
<i>IEEE Transactions on Robotics and Automation</i> (IEEE)	3	
<i>IEEE Transactions on Semiconductor Manufacturing</i> (IEEE)	1	
<i>IIE Transactions (formerly AIIE Transactions)</i> (Springer)	4	1
<i>INFOR (Information Systems and Operational Research)</i>	6	1
<i>Information Systems Research</i> (INFORMS)	1	
<i>Information Systems Frontiers</i> (ISF)	1	
<i>International Journal of Flexible Manufacturing Systems</i> (IJFMS)	6	
<i>International Journal of Operational Research</i>	1	
<i>International Journal of Operations &amp; Quantitative Management</i> (IJOQM)	2	
<i>International Journal of Policy Analysis</i>	1	
<i>International Journal of Production Economics</i> (IJPE) (Elsevier)	4	
<i>International Journal of Production Research</i> (Taylor & Francis)	6	3
<i>International Journal of Systems Science</i> (Taylor & Francis)	1	
<i>ITORMS (Interactive Transactions of OR/MS)</i> (INFORMS)	1	
<i>Journal of Economic Dynamics and Control</i> (J.E.D.C.) (Elsevier) (formerly <i>Annals of Economic and Social Measurement</i> )	6	
<i>Journal of Economic Theory</i> (J.E.T.) (Elsevier)	1	
<i>Journal of Financial and Quantitative Analysis</i>	4	
<i>Journal of Industrial and Management Optimization</i> (J.I.M.O.) (AIMS)	6	
<i>Journal of Large Scale Systems</i>	1	
<i>Journal of Management Science and Applied Cybernetics</i>	3	
<i>Journal of Mathematical Analysis and Applications</i> (J.M.A.A.) (Elsevier)	5	
<i>Journal of Mathematical Modelling and Algorithms</i> (J.M.M.A.) (Springer)	1	
<i>Journal of the Operational Research Society</i> (Palgrave) (formerly <i>Oper. Res. Quarterly</i> )	6	
<i>Journal of Operations Management</i> (Elsevier)	1	
<i>Journal of Optimization Theory and Applications</i> (J.O.T.A.) (Springer)	35	
<i>Journal of Scheduling</i> (Wiley)	2	
<i>Journal of Systems Science and Systems Engineering</i> (JSSSE) (Springer)	3	
<i>Management Science</i> (INFORMS)	12	
<i>Manufacturing &amp; Service Operations Management</i> (M&SOM) (INFORMS)	5	
<i>Marketing Science</i> (INFORMS)	1	
<i>Mathematical Finance</i> (Blackwell)	4	
<i>Mathematical Models and Methods in Applied Science</i> (World Scientific)	1	
<i>Mathematics of Operations Research</i> (M.O.R.) (INFORMS)	7	
<i>Modern Production Management Systems</i> (Elsevier)	1	
<i>Naval Research Logistics/ Naval Research Logistics Quarterly</i> (Wiley)	5	
<i>Nonlinear Analysis</i> (Elsevier)	4	
<i>Numerical Algebra, Control and Optimization</i> (NACO)	1	
<i>OMEGA: The International Journal of Management Science</i> (Elsevier)		1
<i>Operations Research</i> (INFORMS)	17	
<i>Operations Research Letters</i> (Elsevier)	10	1
<i>Opsearch</i>	1	
<i>Optimal Control Application and Methods</i> (O.C.A.M.) (Wiley)	12	
<i>Proceedings of the National Academy of Science</i> (PNAS)	1	
<i>Production and Operations Management</i> (POMS)	21	2
<i>Risk and Decision Analysis</i>	2	
<i>SIAM Journal on Control and Optimization</i> (SIAM)	7	
<i>SIAM Journal on Mathematical Analysis</i> (SIAM)	2	
<i>SIAM Review</i> (SIAM)	3	
<i>Stochastics: An Int. Journal of Probability &amp; Stochastic Processes</i> (T & F) (formerly <i>Stochastics and Stochastics Reports</i> )	3	
<i>TIMS Studies in the Management Sciences</i> (INFORMS)	2	
<i>Zeitschrift für Operations Research</i>	1	
<b>Total Number of Journal Articles</b>	<b>293</b>	<b>12</b>
<b>Articles in Proceedings and Edited Books</b>	<b>113</b>	<b>2</b>

#### **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 Job Shop with Two Machine Centers Having Parallel Machines," Working paper 90-10, Dept. of Industrial Eng., Univ. 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 Univ., 1969, (116 pages).

### **IV. RESEARCH-IN-PROGRESS**

#### **a. Submitted Papers**

1. Chen, S., Shi, R., and Sethi, S.P., "A Generalized Count Model on Consumers' Repeat Purchasing," *Decision Sciences*, January 2015.
2. Bensoussan, A., Çakanyildirim, M., Hoe, C., Li, M., and Sethi, S.P., "Mean and Mean-Variance Based Policies for an Inventory Model with Incomplete Information," *Operations Research*, March 2015.
3. Çakanyildirim, M., Liang, C., and Sethi, S.P., "The Role of Consumer Behavior on Product Innovation: An Operations Management Perspective," *Production and Operations Management*, November 2015.
4. Lu, M., Sethi, S.P., Xie, Y., and Yan, H., "Profit Allocation, Decision Sequence and Compliance Aspects of Coordinating Contracts: Further Examination and a Framework," *Production and Operations Management*, August 2016.
5. Liu, M., Xiao, S., Sethi, S.P., and Ma, S., "Coordinating Contracts for a Financially Constrained Supply Chain," *Omega: The International Journal of Management Science*, 2016.

#### **b. Working Papers and Work-in-Progress**

1. Ang, M., Sethi, S.P., Yan, H., and Zhang, H., "Stationary and Myopic Policies for Multiple Procurement Modes."
2. Bensoussan, A. and Sethi, S.P., "Notes on Optimal Economic Growth with Controlled Population."
3. Bensoussan, A. and Sethi, S.P., "Notes on a Linear-Quadratic Mixed Leadership Game."
4. Bensoussan, A., Çakanyildirim, M., Hoe, C., Sethi, S.P., "Assessing Loss from Parsimony."

5. Bensoussan, A., Çakanyildirim, M., Feng, Q., and Sethi, S.P., “Optimal Ordering Policy and Value of Information under Partially Observed Lost Sales.”
6. Bensoussan, A., Chen, S., and Sethi, S.P., “Optimal Contracts for Infinite Horizon Supplier-Retailer Dynamic Model.”
7. Bensoussan, A., Chen, S., Chutani, A., and Sethi, S.P., “Feedback Stackelberg-Nash Equilibrium in Mixed Leadership Games with Applications.”
8. Bensoussan, A., Keppo, J., and Sethi, S.P., “Discrete Time Inflation Model.”
9. Chutani, A. and Sethi, S.P., “A Cooperative Advertising Model with Two Brands and Multiple Retailers.”
10. Chutani, A. and Sethi, S.P., “Dynamic Cooperative Advertising under Manufacturer and Retailer Level Competition.”
11. Feng, Q. and Sethi, S.P., “Some Optimal Control Problems with State Constraints.”
12. Haruvy, E., Katok, E., Ma, Z., and Sethi, S.P., “Relationship-Specific Investment and Hold-Up Problems in Supply Chains: Theory and Experiments.”
13. Ji, X., Ru, J., and Sethi, S.P., “Discrete Time Stackelberg Games Involving Sethi Advertising Model.”
14. Jiang, J., Prasad, A., and Sethi, S.P., “Sequential Decisions on Co-op Advertising in a Dynamic Distribution Channel.”
15. Kumar, S., Fan, M., and Sethi, S.P., “Performance Choice and Pricing for Differentiated Information System Services.”
16. Li, J., Bardhan, I., Ring, S., and Sethi, S., “Pre-Operative and Post-Operative Risk Factors and Their Impact on Readmission After Coronary Artery Bypass Graft Surgery.”
17. Li, T. and Sethi, S.P., “5 Steps to Supply Chain Coordination.”
18. Ma, Z., Sethi, S.P., and Prasad, A., “Strategic Remanufacturing Under Competition.”
19. Ma, Z., Sethi, S.P., and Zhang, J., “A Study on Retailer Buy-Back Programs.”
20. Sethi, S.P., “Extension of 'Dividend Policy, Growth, and the Valuation of Shares' by Miller and Modigliani (1961) to Allow for Share Repurchases.”
21. Sethi, S.P., “Notes on Optimal Pricing in a Hazard Rate Model of Demand with Experiential Learning.”
22. Sethi, S.P., “Notes on a Continuous Time Inventory Model with Markov Modulated Demand and Average Cost.”
23. Sethi, S.P. and Soner, M., “Optimal Dividend Debt and Equity Policy.”
24. Sethi, S.P. and Soner, M., “Investment Consumption Problem with Bankruptcy Constraint.”
25. Sethi, S.P. and Tamil, L., “RFID and Sensor Networks in Geriatric Healthcare Supply Chains.”
26. Sethi, S.P., “Manufacturer’s Promotional Support in a Dynamic Retail Duopoly”
27. Shan, X., Sethi, S.P., Li, T., and Zhang, J., “A Price-Setting Retailer Sourcing from Strategic Suppliers facing Disruption.”
28. Yu, H. and Sethi, S.P., and Shan, X., “Creative Delinquency or Destructive Selfishness?”

## **V. PROFESSIONAL COMPETENCE AND ACTIVITY**

### **a. Science Academies and Research Institutes**

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), **Fellow**

IC<sup>2</sup> Institute, University of Texas at Austin, **Senior Research Fellow**

### **b. Membership in Professional Societies**

Canadian Operational Research Society (CORS)

Decision Sciences Institute (DSI)

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

**c. Contributed and Invited Papers presented in Conferences** (list is available on request)

**d. Invited Talks at Universities/Institutes**

- 2016 The University of Hong Kong, Hong Kong (March 9); University of Texas at Dallas, Richardson, TX (April 26); University of Macau, Macau, China (May 24); Macquarie University, Sydney, Australia (June 27); Harbin Institute of Technology, Harbin, China (July 12); NIDA Business School, Bangkok, Thailand (August 8);
- 2015 Xiamen University, Fujian, China (March 20); National University of Singapore, Singapore (April 13); Indian Institute of Technology (IITK), Kharagpur, India (June 22-26); Indian Institute of Management (IIMC), Kolkata, India (June 29); Carnegie Mellon University, Pittsburgh, PA (August 31); Beijing Institute of Technology (BIT), Beijing, China (September 20); Hong Kong Polytechnic University, Hong Kong (November 16);
- 2014 Harbin Institute of Technology, Harbin, China (January 13); University of Utah, Salt Lake City, UT (May 2); University of Oregon, Eugene, OR (May 16); Hefei University of Technology, Hefei, China (June 5, 10); University of Science and Technology of China, Hefei, China (June 9); Erasmus University Rotterdam, The Netherlands (July 9); Beijing Institute of Technology, Beijing, China (September 15-16); Hunan University, Changsha, China (September 18); Lingnan University, Hong Kong (September 23); Indian School of Business (ISB), Hyderabad, India (September 25-30); Hong Kong University of Science and Technology, Hong Kong (October 3); Hasanuddin University, Makassar, Indonesia (December 15); Chinese University of Hong Kong, Hong Kong (December 23); Hunan University, Changsha, China (December 29)
- 2013 Institute of Business & Computer Studies (IBCS) and Institute of Technical Education and Research (ITER), Bhubaneswar, India (March 14-15); Indian School of Business (ISB), Hyderabad, India (March 18); Wilfred Laurier University, Waterloo, Ontario, Canada (April 19); Nanjing University, Nanjing, China (May 29); Sapienza University, Rome, Italy (July 4); Imperial College of Science, Engineering and Medicine, London, England, (August 12); Inner Mongolia University, Hohhot, China (August 22); Beijing Institute of Technology, Beijing, China (August 26); Beihang University, Beijing, China (August 27); Escuela Superior Politécnica del Litoral, Guayaquil, Ecuador (October 22, 28); Universidad San Francisco de Quito, Ecuador (October 24); Universidad Estatal Península de Santa Elena, Ecuador (October 30); Great Lakes Institute of Management, Chennai, India (December 23); Indian Institute of Management (IIMC), Kolkata, India (December 27)
- 2012 Indian Institute of Technology Bombay, Mumbai, India (January 2); University of Delhi, New Delhi, India (January 13); Universidad Carlos III, Madrid, Spain (March 12); Universitat Politècnica de Catalunya, Barcelona, Spain (March 15); McMaster University, Hamilton, Ontario, Canada (May 14-15); ETH Zurich, Zurich, Switzerland (June 7); University of Oslo, Norway (August 17); University of Illinois Urbana-Champaign, IL (September 7)
- 2011 University of Texas, Austin, TX (March 4); National University of Mongolia, Ulaanbaatar, Mongolia (June); Zaragoza Logistics Center, Zaragoza, Spain (September 5); Universidad de Valladolid, Valladolid, Spain (September 12); Universidad Rey Juan Carlos, Madrid, Spain (September 16); University of Science and Technology of China, Hefei, China (October 18);



- Zhejiang University, Hangzhou, China (October 28); Hong Kong Polytechnic University, Hong Kong (November 1)
- 2010 University of Louisville, Louisville, KY (March 1); University of Padua via Trieste, Padova, Italy (March 15); Università Ca' Foscari di Venezia, Venice, Italy (March 18); HEC Business School, Paris, France (March 19); ESSEC Business School, Paris, France (March 22); University of North Carolina at Charlotte, Charlotte, NC (March 29); University of California at Los Angeles, Los Angeles, CA (April 9); Erasmus University, Rotterdam, The Netherlands, (June 3); KAIST College of Business, Seoul, South Korea (August 2); Georgetown University, Washington D.C. (October 25); University of Maryland, College Park, MD (October 26); University of Coimbra, Portugal (November 12); Birla Institute of Technology and Science Pilani-Dubai Campus, United Arab Emirates (December 8); American University of Sharjah, Dubai, United Arab Emirates (December 12); Indian School of Business, Hyderabad, India (December 17); Indian Institute of Management, Kolkata, India (December 24)
- 2009 University of Southern California at Davis (April 27); Catholic University of Louvain, Louvain-la-Neuve, Belgium (May 15); National Institute for Mathematical and Biological Synthesis Facility, Knoxville, TN (December 2)
- 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); Bina Nusantara University, Jakarta, Indonesia, (August 8); Singapore Management University, Singapore, (August 12 & 15); National University of Singapore, Singapore, (August 20); Nanyang Technological Univ. of Singapore, Singapore, (August 21); Birla Institute of Technology, Meshra, India, (September 3); University of Miami, Miami, FL, (October 3); Bogazici University, Istanbul, Turkey (November 14); Koc University, Istanbul, Turkey (November 17); Atma Jaya University, Jogjakarta, Indonesia (December 4)
- 2007 Swiss Federal Institute of Technology, Zurich, Switzerland (Feb.27); Univ. of Osnabruck, Osnabruck, Germany (March 1); Univ. of Venice, Venice, Italy (March 5); Institute of Mathematical Finance, Frankfurt, Germany, (March 6); Univ. 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); Univ. of California, Berkeley, CA (November 20); Hewlett-Packard Laboratories, Palo Alto, CA (November 21); American Airlines, Dallas, TX (December 5)
- 2001 Purdue Univ., Lafayette, IN (April 27); Oklahoma State Univ., Stillwater, OK (June 11); Univ. of Toronto, Toronto, Ontario, Canada (July 20); Univ. 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 University of Texas at Dallas, Dept. of Mathematics, 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 (December); The University of Western Australia, Nedland, W.A., Australia (December)
- 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; Institute 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, RI; 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, University of Michigan, Ann Arbor, MI; School of Management, SUNY, Buffalo, NY
- 1981 Universitaet Konstanz, Konstanz, West Germany; GERAD, Universite de Montreal, Montreal, Quebec, Canada
- 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**

- Inventory Control with Partial Observations and Inspections, with A. Bensoussan and M. Cakanyildirim, NSF, 7/1/05-6/30/08, \$200,000
- Statistical Updating Methods In Risk and Decision Analysis: Applications to Supply Chains, with A. Bensoussan and M. Cakanyildirim, ARP, 5/15/06-1/31/09, \$79,000
- Analysis of Consumption and Investment Behavior of Agents in Imperfect Markets, SSHRC, 1/4/96-99, \$54,218
- Robust Production Scheduling in High Tech Manufacturing, with H. Yan, RGC, Hong Kong, 1/8/96-98, \$65,800
- Hierarchical Decision Making In Manufacturing Systems under Uncertainty, NSERC, 1/4/93-97, \$208,000, Renewal, 1/4/97-01, \$245,000
- Studies in Consumption and Investment Behavior of Individuals in Imperfect Markets, SSHRC, 1/5/93-96, \$42,000
- Laboratory for Manufacturing Research: Computer Hardware And Software, with O. Berman and D. Krass, NSERC, 1994-95, \$27,360, Renewal, 1997-98, \$11,385
- Dynamic Optimization under Uncertainty with Applications to Manufacturing, NSERC, 1/4/90-93, \$135,000
- Wafer Fabrication Scheduling, with S. Lou, URIF, Ministry of Colleges and Universities, 8/15/89-92, \$100,000
- General Motors Research Professorship, General Motors of Canada, 7/1/88 - 6/30/92, \$40,000
- Decision Horizon Procedures in Dynamic Optimization Problems, NSERC, 1/4/87-90, \$126,000

- Studies in Consumption Investment Behavior of Individuals in Imperfect Markets, SSHRC, 5/1/87-3/31/91, \$40,750
- Decision/Forecast Horizon, SSHRC, 1/7/86-87, \$12,500
- Theory and Applications to Operations Management, SSHRC (Leave Fellowship), 12/1/86-11/30/87, \$14,000
- Connaught Senior Research Fellowship in Social Sciences, The Connaught Fund, 7/1/84-85, \$69,510
- Planning Horizon Procedures in Dynamic Optimization Problems, NSERC, 1/4/84-87, \$108,000
- Transfer of FMS Technology from U.S. Multinationals to from U.S. Multinationals to Canadian Subsidiaries, with J. D’Cruz, SSHRC, 2/1/84–1/31/85, \$4,000
- Studies in Consumption and Investment Behavior of Agents in a Welfare Economy, SSHRC, 1/1/84–4/30/87, \$28,000
- Optimal Exploration and Consumption a Natural Resource, N. Derzko, Imperial Oil Ltd., Toronto, 1/3/83-84, \$ 8,000, Renewal, 1/3/84-86, \$16,000
- Planning Horizons and Forward Algorithms in Dynamic Optimization Problems, NSERC, 1/4/80-81, \$16,200, Renewal, 1/4/81-84, \$67,586
- Optimal Control Problems 1) State Constraints and 2) Infinite horizon, NSERC, 1/4/79-80, \$14,000
- Planning Horizons in Applied Dynamic Optimization Problems, University of Toronto (Research Leave), 12/1/79-11/30/80, \$18,000
- Multivariate Econometric Analysis of Supermarket Sales, Canada Council (Leave Fellowship), 12/1/79-11/30/80, \$11,584
- Multivariate Causality Detection for a) Supermarket Data Interrelationships; b) Disaggregated Money-Income Relationships, Canada Council, 7/1/78–12/31/79, \$14,000
- Generalized Programs and Linear Optimal Control Problems with State Constraints, NSERC, 1/4/77-78, \$7,565
- Identification and Estimation of Dynamic Sales-Advertising Dynamic Sales-Advertising Relationships and their Causality Implications, Canada Council, 1/9/76-77, \$12,082
- Dynamic Transportation Problem and the in Transportation Maximum Principle, with J. Bookbinder, Transportation Joint Program with University of Toronto and York University, 1/5/76-77, \$6,760

**f. Other Research Support**

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, 1/1/88–3/31/88, \$38,141, 4/1/88-3/31/89, \$131,182, 4/1/89-3/31/90, \$133,800, 4/1/90-3/31/91, \$143,600, 4/1/91-3/31/92, \$148,600, 4/1/92-12/31/92, \$112,800, 1/1/93–6/30/93, \$20,600

**g. Service to Profession**

**i) Editorial Boards**

Editorial Board, <i>International Journal of Production Research</i>	2016-Present
Editorial Board, <i>International Journal of Industrial Engineering and Productivity Management</i>	2015-Present
Advisory Board, <i>Journal of Systems and Industrial Project Engineering</i>	2015-Present
Series Editor, <i>Springer Briefs in Operations Management</i>	2014-Present
International Editorial Board, <i>Baltic Journal of Real Estate Economics and Construction Management</i>	2014-Present
Advisory Board, <i>American Journal of Operations Research</i>	2011-Present
Corresponding Editor, <i>SIAM Journal On Control and Optimization</i>	2008-Present
Senior Editor, <i>Flexible Services and Manufacturing Journal</i>	2007-2009
Assoc. Editor, <i>Journal on Risk and Decision Analysis</i>	2007-Present
Assoc. Editor, <i>Journal of Systems Science and Systems Engineering</i>	2007-Present
Assoc. Editor, <i>Journal of Industrial and Management Optimization</i>	2004-Present

Assoc. Editor, <i>Automatica</i>	2004-2010
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 &amp; Applications</i>	2000-2004
Assoc. Editor, <i>Journal of Scientific &amp; 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 &amp; 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*, 42(8), August 2006.
- A Guest Editor, Special Issue on Information Systems and Agile Manufacturing of the *International Journal of Agile Manufacturing*, 4(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*, 6(2), Apr. 1984.
- Sethi, S.P. and Thompson, G.L. (Eds.), *Special Issue of INFOR on Applied Control Theory*, 19(4), Nov. 1981.

## iii) Offices/Committee Positions

Board Member, International Federation of Logistics & SCM Systems (IFLS)	2015-present
Member, IFAC Technical Committee on Manufacturing Modelling for Management and Control	2015-present
Member, INFORMS <i>OR/MS Today</i> and <i>Analytics</i> Committee	2015-2017
Member, <i>Decision Sciences Journal</i> Editor Search Committee	2014
Chair, POMS Fellows Committee	2014
Member, INFORMS Fellows Selection Committee	2014-2016
Judge, Elwood S. Buffa Doctoral Dissertation Competition for DSI	2013
Member, DSI Publications Committee	2012-2014
President, POMS	2012
Member, Martin K. Starr Excellence in Production and Operations Management Award Practice Committee	2010
Advisory Board, AIMS International Directory of Indian Management Educators	2006-present
Board Member, Value Added Tax (VAT) Project in India for World Bank	2004-2010
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) Assessor of Research Institutes**

Chinese Academy of Science (2005)  
GERAD Institute

**v) Review Panels/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**

- “Dynamic Pricing, Procurement and Channel Coordination with Stochastic Learning,” Keynote Address, *International Conference on Value Chain Stability (ICOVACS 2015)*, March 12-13, 2015, Istanbul, Turkey.
- “The Optimal Consumption-Investment Problem--A Personal Journey,” Closing Plenary, *Chinese University of Hong Kong (CUHK) Symposium on Financial Risk Management*, December 22-23, 2014, Hong Kong.
- “Coordination Contracts for Dynamic Supply Chains,” Plenary, *8th International Conference on Industrial Engineering and Industrial Management (CIO 2014)*, July 23-25, 2014, Malaga, Spain.
- “Managing with Incomplete Inventory Information (i3),” Keynote Address, *7th IFAC Conference on Manufacturing, Modelling, Management and Control (MIM 2013)*, June 19-21, 2013, Saint Petersburg, Russia.
- “Managing with Incomplete Inventory Information (i3),” Keynote Address, *Fourth POMS-HK International Conference*, January 3-4, 2013, Hong Kong.
- “Managing with Incomplete Inventory Information (i3),” Keynote Address, *International Conference on Management Science and Engineering*, September 20-22, 2012, Dallas, TX.
- “Cooperative Advertising in a Dynamic Retail Market Duopoly,” Keynote Address, *International Conference on Operations Research for Sustainable Development in Globalized Environment (ORSI 2011 Convention)*, January 6-8, 2012, Kolkata, India.
- “i3: Incomplete Inventory Information the Next Challenge,” Keynote Address, *5th International Conference on Industrial Engineering and Industrial Management (CIO 2011)*, September 7-9, 2011, Cartagena, Spain.
- “Cooperative Advertising and Pricing in a Dynamic Stochastic Supply Chain: Feedback Stackelberg Equilibrium,” Keynote Address, *The 9th Asia Pacific Industrial Engineering & Management Systems Conference (APIEMS)*, December 3, 2008, Bali, Indonesia.
- “Cooperative Advertising and Pricing in a Dynamic Stochastic Supply Chain: Feedback Stackelberg Equilibrium,” Keynote Address, *International Conference on Value Chain Sustainability (ICOVACS)*, November 12-14, 2008, Izmir, Turkey.
- “Cooperative Advertising and Pricing in a Dynamic Stochastic Supply Chain: Feedback Stackelberg Equilibrium,” Keynote Address, *International Conference on Differential Equations and Topology*, June 21, 2008, Moscow, Russia.
- “i3: Incomplete Inventory Information the Next Challenge,” Keynote Address, *International Foundation of Production Research Conference (IFPR)*, July 29-August 2, 2007, Valparaiso, Chile.
- “A Review of Stackelberg Differential Game Models in Supply Chain Management,” Keynote Address, *Fourth IEEE International Conference on Service Systems and Service Management (ICSSM07)*, June 9-11, 2007, Chengdu, China.
- “i3: Incomplete Inventory Information the Next Challenge,” Keynote Address, *11th WSEAS International Conf. on Applied Mathematics*, March 22, 2007, Dallas, TX.

- “i3: Incomplete Inventory Information the Next Challenge,” Keynote Address, *XII CLAIO*, November 27-30, 2006, Montevideo, Uruguay.
- “i3: Incomplete Inventory Information the Next Challenge,” Keynote Address, *IEEE International Conference*, Oct. 25-27, 2006, Troyes, France.
- “i3: Incomplete Inventory Information - the Next Challenge,” Invited Talk, *i2 SCM Innovation Workshop*, Oct. 18-19, 2006, Center of Excellence, One i2 Place, Dallas, TX.
- “Coordination of a Supply Chain with Risk-Averse Agents,” Keynote Address, *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.
- “Intelligent Supply Networks: India’s Role in 2020,” Keynote Address, *5<sup>th</sup> 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.
- “Purchase Contract Management with Demand Forecast Updates,” Keynote Address, *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,” *21<sup>st</sup> 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 Univ. of Knoxville, Knoxville, KY.
- Sethi, S.P., “Some Insights into Near-Optimal Plans for Stochastic Manufacturing Systems,” *SIAM-AMS Workshop on Mathematics of Stochastic Mfg. 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, Univ. of S. Australia, Adelaide, Australia.
- Sethi, S.P., *Slovensko Drustvo Informatika*, 1994, Portoroz, Slovenia.
- Sethi, S.P., *Forest Management Hierarchical Planning Workshop*, 1992, Toronto, Canada.
- Sethi, S.P., International Conference on Operations Research, 1990, Vienna, Austria.
- Sethi, S.P., II International Conference on Production Systems, 1987, Paris, France.
- Sethi, S.P., *VIII Convegno, A.M.A.S.E.S.*, 1984, Modena, Italy.

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

- Session Chair, “Supply Risk and Reliability,” *26<sup>th</sup> European Conference on Operational Research*, Rome, Italy, July 1-4, 2013.

- Session Chair, “Competition and Innovation in the Sustainable Supply Chain Management,” *International Conference on Value Chain Sustainability (ICOVACS)*, Valencia, Spain, November 15-17, 2010.
- International Program Committee, *Conference on Systems and Control*, Montreal, Quebec, Canada, July 6-8, 2009.
- International Program Committee, *13<sup>th</sup> 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*, Seattle, WA, Nov. 4-7, 2007.
- Session Co-Chair, “Partially Observed Inventory Systems,” *EURO XXI*, Reykjavik, Iceland, July 2-5, 2006.
- International Program Committee, *12<sup>th</sup> 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*, 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 5<sup>th</sup> 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, UT, May 7-10, 2000.
- Panel Member, *Global Supply Chain Management into the 21<sup>st</sup> 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, MA, June 30 - July 2, 1997.
- Cluster Chair, “Production Control with Uncertainty,” *INFORMS*, San Diego, CA, May 4-7, 1997.



- Cluster Chair, “Models of Stochastic Manufacturing Systems,” *ORSA/TIMS*, New Orleans, LA, 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, MI, Oct. 23-26, 1994.
- Invited Session Chair, “Optimal and Hierarchical Decisions in Manufacturing,” *ORSA/TIMS*, Boston, MA, April 24-27, 1994.
- Invited Session Chair, “Scheduling of Dynamic Manufacturing Systems” *ORSA/TIMS*, Phoenix, AZ, 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,” *31<sup>st</sup> 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, PA, Oct. 29-31, 1990.
- Session Co-Chair (with Sheldon Lou), “Scheduling Problems Encountered in Hi-Tech Industry,” *CORS Meeting*, Ottawa, Canada, 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, MO, 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, LA, 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, MA, April 29-May 1, 1985.
- Session Chair, “Applied Optimal Control” *25<sup>th</sup> 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, Canada, 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*, 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*, Las Vegas, NV, 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-present
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, 2010-2011
University Research Council	2000-2001
Search Committee for VP Research	2000-2001
Ad Hoc Committee: R. Gupta	2000-2001
Ad Hoc Committee Chair: S. Janakiraman	2000-2001
Full Professor Promotion Committee Chair: 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 (SOM)	2002
Tenure Review Committee Chair: M. Dawande	2002,2007
Ad Hoc Committee Chair: 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 Review Committee: A. Prasad	2004
Faculty Hearing Tribunal	2004-present
School Peer Review Committee for SOM	2004, 2006, 2011
Tenure Review Committee Chair: M. Çakanyildirim	2005-2006
Tenure Review Committee Chair: A. Bensoussan	2006
Tenure Review Committee: E. Haruvy	2007
Advisory Committee on Research	2009-2011
Tenure Review Committee Chair: O. Ozer	2009-2010

Tenure Review Committee Chair: G. Janakiraman	2009-2010
Full Professor Promotion Committee Chair: O. Ozer	2011
Full Professor Promotion Committee: E. Wong	2011
Tenure Review Committee: J. Zhang	2011
Full Professor Promotion Committee Chair: G. Janakiraman	2012
Full Professor Promotion Committee: M. Çakanyildirim	2012
Tenure Review Committee Chair: D. Honhon	2014

### 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 Management, 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>
Suresh Chand	1977-78	Professor, Louis A. Weil Jr. Chair of Management, Associate Dean of Graduate Studies, Purdue University, West Lafayette, IN
Houmin Yan	1989-94	Dean, College of Business, City University of Hong Kong, HK
Yingmeng Wang	1990-95	Bank of Montreal, Toronto, Canada
Feng Cheng	1990-95	Senior Operations Research Analyst, Federal Aviation Admin.
Xiaohang Yue	1998-02	Associate Prof., University of Wisconsin, Milwaukee, WI
A. Krishnamoorthy	2000-04	Associate Prof., University of Central Florida, Orlando, FL
Xianghua Gan	2000-05	Associate Prof., Southwestern University of Finance & Econ., China
Sirong Luo	2000-05	Assistant Prof., Shanghai University of Finance and Economics
Jing Zhou	2000-06	Associate Prof., University of North Carolina, Charlotte, NC
Qi Feng	2001-06	Professor, Purdue University, West Lafayette, IN
Lama Moussawi	2002-06	Assistant Prof., American University of Beirut, Lebanon
Ruixia Shi	2004-09	Assistant Prof., California State University Fullerton, Fullerton, CA
Jun Ru	2005-10	Assistant Prof., University at Buffalo (SUNY), NY
Anshuman Chutani	2005-10	Lecturer, University of Nottingham, Nottingham, UK
Chao Liang	2007-12	Assistant Prof., Cheung Kong Graduate School of Business, China
Tao Li	2007-12	Assistant Prof., Santa Clara University, Santa Clara, CA
Meng Li	2008-13	Assistant Prof., University of Massachusetts, Dartmouth, MA
Varun Gupta	2009-14	Assistant Prof., Pennsylvania State University Erie, Erie, PA
Sandun Perera	2010-15	Assistant Prof., University of Michigan Flint, MI

Jingyun Li                    2010-2015    Assistant Prof., California State University, Stanislaus, CA

**f. Post-Doctoral Fellows and Visiting Scholars**

<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	Assoc. Research Eng., Center of Flight Systems Research, UCLA
Christian Bes	1984-86	Professor, Paul Sabatier University, Toulouse, France
C. Sriskandarajah	1986-87	Professor, Texas A&M University, TX
A. Gunasekaran	1987-88	Interim Dean, Charlton College of Business, University of Massachusetts, Dartmouth, MA
Gerhard Sorger	1988-89	Professor, University of Vienna, Vienna, Austria.
Wieslaw Kubiak	1988-90	Professor, Memorial University of Newfoundland
Qing Zhang	1989-94	Professor, University of Georgia, Athens, GA
Jiong Jiang	1990-91	Analyst, CIBC, Toronto, Ontario
Elena Kritchagina	1990-91	---
Xunyu Zhou	1991-93	Professor, The Chinese University of Hong Kong, Shatin, HK
Steeff van de Velde	1992-93	Dean, Rotterdam School of Management, 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, Canada
Wulin Suo	1994-96	Associate Professor, Queens University, Kingston, Ontario, Canada
Dirk Beyer	1995-97	M-Factor, Inc., San Mateo, CA, USA
Sridhar Ramaswamy	1996-97	Vice President of Research and Development, Openmetrik Inc.
Hanqin Zhang	1996-99	Professor, National University of Singapore
Arnab Bisi	1997-99	Assistant Professor, Purdue University, West Lafayette, IN
Mark Levin	1998-98	Research Associate, College of Judea and Samaria, Israel
Inna Drobouchevitch	1999-00	Associate Professor, Korea University Business School, Seoul, SK
Ruihua Liu	2003-04	Associate Professor, University of Dayton, Dayton, OH
Rong Zhang	2004-05	Assistant Professor, Chongqing University, Chongqing, China
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	2009-10	Associate Professor, University of Delhi, New Delhi, India
Qihui Lu	2011	Lecturer, Zhejiang University, Hangzhou, China
Bo He	2012-13	Associate Professor, Chongqing University, Chongqing, China
Xianjin Du	2012-13	Assistant Professor, Hefei University of Technology, Hefei, China
Haihong Yu	2013	Associate Professor, NingBo University, Ningbo, China
Qinglong Gou	2013-14	Associate Professor, University of Science and Technology of China
Jianxiong Zhang	2013-14	Associate Professor, Tianjin University, Tianjin, China
Junyan Wang	2014-15	Associate Professor, Tianjin University, Tianjin, China
Xiang Ji	2015-17	Doctoral Student, Univ. of Science and Technology, Hefei, China
Shanshan Ma	2015-16	Doctoral Student, Tongji University, Shanghai, China
Yihong Hu	2015-16	Assistant Prof., Tongji University, Shanghai, China
Guo Li	2016-17	Associate Prof., Beijing Institute of Technology, Beijing, China
Yanling Feng	2016-17	Doctoral Student, Beihang University, Beijing, China
Xishu Li	2016-17	Doctoral Student, Erasmus University, The Netherlands

**VII. COMMUNITY SERVICE**

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

**VIII. REFERENCES** - Available on request.

Sethi and Thompson have provided management science and economics communities with a thoroughly revised edition of their classic text on Optimal Control Theory. Central to the book is its extraordinarily wide range of optimal control theory applications. Chapter 5 covers finance; Chapter 6 considers production and inventory

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