

CURRICULUM VITAE
CHELLIAH SRISKANDARAJAH
August 2023

I. ACADEMIC HISTORY

PERSONAL DATA

Status : Hugh Roy Cullen Chair in Business Administration
 Mays Business School, Texas A & M University

Address: Department of Information and Operations Management
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Nationality: US Citizen (origin SriLanka)

EDUCATION

Post Doctoral Fellow: University of Toronto, Faculty of Management, Canada (1986-1987).

Ph.D: 1986 Higher National School of Electrical Engineering, National Polytechnic Institute of Grenoble, France (1982-1986). (Ecole Nationale Supérieure d'Ingénieurs Electiciens, Laboratoire d'Automatique, Institut National Polytechnique de Grenoble, France).

M.Sc.: 1983 Université Scientifique et Medicale de Grenoble, France (1982-1983). (Laboratoire d'Informatique et de Mathématiques appliquée de Grenoble).

Master of Engineering: 1981 Asian Institute of Technology (A.I.T.) Bangkok, Thailand (1979-1981)

B.Sc. Engineering: 1977 University of Moratuwa, SriLanka (1973-1977)

AWARDS AND HONORS

- **2020: POMS honored by instituting Dr. Chelliah Sriskandarajah Early Career Award.**
- **Laudation: Production and Operations Management Journal Honoring Chelliah Sriskandarajah**, Vol. 30, No. 4, April 2021, pp. 837 - 838.
- **Best Department Editor Award 2018:** POM Journal, May 2018.
- **Ricky W. Griffin Research Excellence Award 2015:** Mays Business School, Texas A & M University, December, 2015.
- **Sushil K. Gupta POMS Distinguish Service Award 2015:** Presented at the 23rd Annual POM conference, May 2015.
- **Fellow of POMS Award 2012:** Presented at the 23rd Annual POM conference, April 2012.
- Finalist, Daniel H. Wagner Prize for Excellence in Operations Research Practice (INFORMS), 2010. Research paper: Chung, C., Dawande, M., Rajamani, D. and Sriskandarajah, C., "A Short Range Scheduling Model for Blockbuster's Order Processing Operation," *Interfaces*, 2011, 41, 5, pp. 466-484.
- Semi-finalist, Franz Edelman Award (INFORMS), 2009.
Research paper: Chung, C., Dawande, M. and Sriskandarajah, C., "A Short Range Scheduling Model for Blockbuster's Order Processing Operation," *Interfaces*, 2011, 41, 5, pp. 466-484.
- Semi-finalist, Franz Edelman Award (INFORMS), 2002 and 2003.
Research paper: Kumar, S., Ramanan, N., and Sriskandarajah, C., "Minimizing Cycle Time in Large Robotic Cells," *IIE Transactions*, 2005, 37, 2, pp. 123-136.
- Finalist for CORS Practice Prize (CORS/INFORMS), 1998.
Research paper: Sriskandarajah, C., Jardine, A.K.S., and Chan, C.K., "Maintenance Scheduling of Rolling Stocks Using a Genetic Algorithm," *Journal of Operational Research Society (U.K.)*, (1998), 49, pp. 1130-1145.
- Semi-finalist, Franz Edelman Award (INFORMS), 1998.
Research paper: Sriskandarajah, C., Jardine, A.K.S., and Chan, C.K., "Maintenance Scheduling of Rolling Stocks Using a Genetic Algorithm," *Journal of Operational Research Society (U.K.)*, (1998), 49, pp. 1130-1145.
- Dean's Special Merit Award for research, teaching and service to the University, University of Toronto, Canada, 1992 and 1993.
- Post Doctoral Fellow (funded by NSERC), Faculty of Management, University of Toronto, Canada, 1986-1987.
- French Government Doctoral Fellowship, 1981-1986.
- Carl Duisberg Gesellschaft Scholarship, awarded by the Federal Republic of Germany for the Master of Engineering Program at A.I.T., Bangkok, Thailand, 1979-1981.

PROFESSIONAL EXPERIENCE

- **Hugh Roy Cullen Chair in Business Administration**, Mays Business School, Texas A & M University, U.S.A, August 2012 - to date.
Primary responsibilities: Teach courses in the area of operations management and optimization; Research activities in the fields of supply chain management and operations planning.
- **Ashbel Smith Professor**, School of Management, University of Texas at Dallas, U.S.A, September 2006 - July 2012.
Primary responsibilities: Teach courses in the area operations management and optimization methods; Research activities in the fields of production planning, scheduling and control, Supply Chain Management.
- **Professor**, School of Management, University of Texas at Dallas, U.S.A, September 2001 - August 2006.
Primary responsibilities: Teach courses in the area of production management and optimization methods; Research activities in the fields of production planning, scheduling and control, Telecommunications planning, Supply Chain Management.
- **Associate Professor**, School of Management, University of Texas at Dallas, U.S.A, July 1998 - August 2001.
Primary responsibilities: Teach courses in the area of production management and optimization methods; Research activities in the fields of production planning, scheduling and control, Telecommunications planning.
- **Associate Professor**, Department of Industrial Engineering, University of Toronto, Canada, July 1994 - June 1998.
Primary responsibilities: Establish a manufacturing system laboratory; Teach courses in the production and manufacturing area; Research activities in the fields of production planning, scheduling and control.
- **Assistant Professor**, Department of Industrial Engineering, University of Toronto, Canada, June 1990 - June 1994.
Primary responsibilities: Establish a manufacturing system laboratory; Teach courses in the production and manufacturing area; Research activities in the fields of production planning, scheduling and control.
- **Researcher** (Research professor position equivalent to Assistant Professor), GERAD, Ecole Polytechnique, Montreal, Canada, July 1987 - May 1990.
Primary responsibilities: Research activities in the field of manufacturing and production control; Teach graduate courses in the fields of production planning and scheduling manufacturing systems.
- **Postdoctoral Research Fellow**, Faculty of Management Studies, University of Toronto, Canada, May 1986 - June 1987.
Major research activities: Flexible manufacturing system scheduling; Design and analysis of scheduling algorithms; Performance guarantees for approximative algorithms.
- **Research Assistant**, Higher National School of Electrical Engineering, National Polytechnic Institute of Grenoble, France, Sept 1983 - April 1986. Industrial interactions during doctorate program, particularly with Telemecanique Electrique Corporation, France. Comprehensive

understanding of industry's manufacturing needs, environment, systems and realities. Have made site visits and worked together with them on scheduling problems. Modelled and analyzed the system and developed scheduling policies for a system under development.

- **Assistant Mechanical Engineer**, Ceylon Petroleum Refinery, SriLanka, May 1978 - August 1979. Worked at Inspection Department of the Ceylon Petroleum Refinery. Primary responsibilities: Inspection of equipment, columns, boilers, reactors, ejectors, heat exchangers, etc., for corrosion, erosion, wear and condition of equipment. Making recommendations for repairs and/or renewals; Testing of equipment. Failure analysis and checking of design calculation. As an inspection engineer, I have been directly involved in major inspection maintenance shut-downs of the plant.
- **Instructor**, Mechanical Engineering Department, University of SriLanka, November 1977 - May 1978. The duties were supervising Laboratory, Tutorial and Design classes in Thermodynamics, Applied Mechanics and Machine Design for undergraduate students.
- **Undergraduate Trainee** Practical training at Ceylon Steel Corporation, SriLanka, December 1975 - July 1976, and Ceylon Government Railways workshop, SriLanka, December 1974 to January 1975.

RESEARCH INTERESTS

CURRENT AND FUTURE RESEARCH INTERESTS

- Healthcare Operations Planning.
- Production Planning and Scheduling.
- Currency Supply Chain Management.
- Supply Chain Logistics.
- Scheduling Service/Production Systems.
- Performance Evaluation of Production Systems.
- Computational Complexity, Design and Analysis of algorithms for combinatorial problems.

MEMBERSHIP IN PROFESSIONAL SOCIETIES

- The Institute of Operations Research and the Management Sciences (INFORMS)
- Production and Operations Management Society (POM)
- Manufacturing and Service Operations Management (MSOM)

SERVICE TO PROFESSION

President, Production and Operations Management Society (POMS). January 2020-December 2021.

Vice President Publication, Production and Operations Management Society (POMS). January 2018 - December 2019.

Vice President Finance, Production and Operations Management Society (POMS). March 2013 - December 2017.

Associate Executive Director, Production and Operations Management Society (POMS). March 2004 - April 2012.

Departmental Editor, Production and Operations Management, July 2012 - to date.

Associate Editor, Manufacturing and Service Operations Management, January 2013 - December 2019.

Senior Editor, Production and Operations Management, January 2006 - July 2012.

General Chair, Production and Operations Management 22nd Annual Conference held at Reno, Nevada in 2011.

Editorial Review Board, Manufacturing and Service Operations Management, January 2003 - December 2005.

Associate Editor, Decision Sciences Journal, July 2010 - July 2013.

Associate Editor, Journal of Scheduling, January 2007 - December 2009.

Associate Editor, INFOR, Canadian Journal of Information Systems and Operational Research, 1992 - May 2007.

Editorial Board Member, International Journal of Operational Research, July 2009 - to date.

Reviewed research papers for: Operations Research, Management Science, Production and Operations Management, Manufacturing and Service Operations Management, IIE Transactions, Operations Research Letters, Annals of Operations Research, IEEE Transactions on Robotic and Automation, European Journal of Operational Research, Journal of Operational Research Society (U.K.), International Journal of Flexible Manufacturing Systems, IEEE Transactions on Automatic Control, INFOR (Canada), International Journal of Production Economics, Computers and Operations Research, Journal of Scheduling.

Reviewed research grants for: NSF, Natural Sciences and Engineering Research Council (Canada).

II. SCHOLARLY AND PROFESSIONAL WORK

REFEREED JOURNAL PUBLICATIONS

1. Youn, S., Geismar, H.N., Sriskandarajah, C., Tiwari, V., "Adaptive Capacity Planning for Ambulatory Surgery Centers," **Manufacturing and Service Operations Management**, May 2022, <https://doi.org/10.1287/msom.2022.1109>
2. Mallipeddi, R., Kumar, S., Sriskandarajah, C., Zhu, Y., "A Framework for Analyzing Influencer Marketing in Social Networks: Selection and Scheduling of Influencers," **Management Science**, 2022, 68, 1 (January): pp. 75-104, <https://doi.org/10.1287/mnsc.2020.3899>.
3. Le, T., Stauffer, J., Shetty, B., Sriskandarajah, C., "An Optimization Framework for Analyzing Dual-donor Organ Exchange," **Production and Operations Management**, 2023, 32, 3, pp. 740-761.
4. Manoj U.V., Sun, H., Jones, A., Sriskandarajah, C., "Supply Chain Planning: A Case for Hybrid Cross-Docks," **OMEGA**, 2022, 108, April, article 102585, **OMEGA Best Paper Award, 2022**.

5. Youn, S., Heim, G., Kumar, S., Sriskandarajah, C., "Examining Impacts of Clinical Practice Variation on Operational Performance," **Production and Operations Management**, 2021, 30, 4, pp. 839-863.
6. Stauffer, J., Megahed, A., Sriskandarajah, C., "Elasticity Management for Capacity Planning in Software as a Service Cloud Computing," **IIE Transactions**, 2021, 53, 4, pp. 407-424.
7. Rajapakshe, T., Kumar, S., Sen, A., Sriskandarajah, C., "Sustainability Planning for Healthcare Information Exchanges with Supplier Discount Program," **Operations Research**, 2020, 68, 3, pp. 793-817.
8. Hosseini, L., Tang, S., Mookerjee V., Sriskandarajah, C. "A Switch in Time Saves the Dime: A Model to Reduce Rental Cost in Cloud Computing," **Information Systems Research**, 2020, 31, 3, pp. 753-775.
9. Huang, Y., Zhu, Y., Kumar, S., Shetty, B., Sriskandarajah, C., "A Framework for Analyzing the U.S. Coin Supply Chain," **Production and Operations Management**, 2020, 29, 12, pp. 2736-2759.
10. Geismar, H.N., Huang, Y., Pillai, S.D., Sriskandarajah, C., Youn, S., "Location-Routing with Conflicting Objectives: Coordinating eBeam Phytosanitary Treatment and Distribution of Mexican Import Commodities," **Production and Operations Management**, 2020, 29, 6, pp. 1506-1531.
11. Kubiak, W., Feng, Y., Li, G. Sethi, S.P., Sriskandarajah, C., "Efficient Algorithms for Flexible Job Shop Scheduling with Parallel Machines," **Naval Research Logistics**, 2020, 67, 4, pp. 272-288
12. Jung, K.S., Pinedo, M., Sriskandarajah, C., Tiwari, V., "Scheduling Elective Surgeries with Emergent Patients at Shared Operating Rooms," **Production and Operations Management**, 2019, 28, 6, pp. 1407-1430.
13. Lee, S. J., Heim, G., Sriskandarajah, C., Zhu, Y., "Outpatient Appointment Block Scheduling Under Patient Heterogeneity and Patient No-Shows," **Production and Operations Management**, 2018, 27, 1, pp. 28-48.
14. Jung, K.S., Geismar, H.N., Pinedo, M., Sriskandarajah, C., "Throughput Optimization in Circular Dual-Gripper Robotic Cells," **Production and Operations Management**, 2018, 27, 2, pp. 285-303.
15. Sriskandarajah, C., Shetty, B., "A Review of Recent Theoretical Development in Scheduling Dual-Gripper Robotic Cells," **International Journal of Production Research**, 2018, 56, 1-2, pp. 817-847.
16. Perdikaki, O., Kumar, S., Sriskandarajah, C., "Managing Retail Budget Allocation between Store Labor and Marketing Activities," **Production and Operations Management**, 2017, 26, 9, pp. 1615-1631.
17. Geismar, H.N., Sriskandarajah, C., Zhu, Y., "A Review of Operational Issues in Managing Physical Currency Supply Chains," **Production and Operations Management**, 2017, 26, 6, pp. 976-996.
18. 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**, 2017, 49, 2, pp. 223-237.
19. Jung, K.S., Dawande, M., Geismar, H. N., Guide, V.D.R., Sriskandarajah, C. "Supply Planning Models for Just-in-Time Manufacturing Environment with Remanufacturing and Reverse logistics," **Annals of Operations Research**, 2016, 240, 2, pp. 533-581.

20. Zhu, Y., Kumar, S., Rodriguez-Sanchez, S. V., Sriskandarajah, C., "Managing Logistics in Regional Banknote Supply Chain under Security Concerns," **Production and Operations Management**, 2015, 24, 12, pp. 1966-1983.
21. Jung, K.S., Chung, C., Niu, S-C., Sriskandarajah, C., "Inventory and Shipment Policies for the Online Movie DVD Rental Industry," **Service Science**, 2015, 7, 4, pp. 249-271.
22. Lui, D., Sarkar, S., Sriskandarajah, C. "Who's Next? Scheduling Personalization Services with Variable Service Times," **ACM Transactions on Management Information Systems**, 2015, 6, 2, pp. 8.1-8.22.
23. Geismar, H. N., Dawande, M., Murthi, B.P.S., Sriskandarajah, C., "Maximizing Revenue Through Two-dimensional Shelf Space Allocation," **Production and Operations Management**, 2015, 24, 7, pp. 1148-1163.
24. Jung, K.S., Geismar, H.N., Pinedo, M., Sriskandarajah, C., "Approximations to Optimal Sequences in Single-Gripper and Dual-Gripper Robotic Cells with Circular Layouts," **IIE Transactions**, 2015, 47, 6, pp. 634-652.
25. Mu, L., Dawande, M., Gavirneni, S., Sriskandarajah, C., "Optimal Selection of Line Extensions: Incorporating Operational, Financial, and Marketing Constraints," **IEEE Transactions on Engineering Management**, 2014, 61, 4, pp. 738-754.
26. Rajapakshe, T., Dawande, M., Gavirneni, S., Sriskandarajah, C. Panchalavrapu, P.R., "Designing Dedicated Transportation Subnetworks: Deadheading vs. Lane-Sharing," **Production and Operations Management**, 2014, 23, 1, pp. 138-159.
27. Rajapakshe, T., Dawande, M., Sriskandarajah, C. "On the Tradeoff Between Remanufacturing and Recycling," **International Journal of Services and Operations Management**, 2013, 14, 1, pp. 1-53.
28. Chung, C., Niu, S-C., Sriskandarajah, C., "A Sales Forecast Model for Short-Life-Cycle Products: New Releases at Blockbuster," **Production and Operations Management**, 2012, 21, 5, pp. 851-873.
29. Mehrotra, M., Dawande, M., Mookerjee V., Sriskandarajah, C., "Pricing and Logistics Decisions for a Private-Sector Provider in the Cash Supply Chain," **Production and Operations Management**, 2012, 21, 5, pp. 954-974.
30. Dawande, M., Mookerjee, V. and Sriskandarajah, C., Zhu, Y., "Search and Optimization in the Social Networks," **INFORMS Journal on Computing**, 2012, 24, 4, pp. 611-623.
31. Geismar, H. N., Manoj, U.V., Sethi, A., Sriskandarajah, C. "Scheduling Robotic Cells served by a Dual-Arm Robot," **IIE Transactions**, 2012, 44, pp. 230-248.
32. Kazan, O., Dawande, M., Sriskandarajah, C., Stecke, K. E., "Balancing Perfectly Periodic Service Schedules: An Application from Recycling and Waste Management," **Naval Research Logistics**, 2012, 59, 2, pp. 160-171.
33. Manoj, U.V., Sriskandarajah, C., Wagneur, E. "Coordination in a Two-Stage Production System: Complexity, Conflict and Cooperation," **Computers and Operations Research**, 2012, 39, pp. 1245-1256.
34. Rajapakshe, T., Dawande, M., Sriskandarajah, C. "Quantifying the Impact of Layout on Productivity: An Analysis from Robotic-Cell Manufacturing," **Operations Research**, 2011, 59, 2, pp. 440-454.
35. Geismar, H. N., Dawande, M. and Sriskandarajah, C., "Pool-Point Distribution of Zero-Inventory Products," **Production and Operations Management**, 2011, 20, 5, pp. 737-753.

36. Zhu, Y., Dawande, M. and Sriskandarajah, C., "Value of Local Cash Reuse: Inventory Models for Medium-Size Depository Institutions under the New Federal Policy," **Manufacturing and Service Operations Management**, 2011, 13, 4, pp. 508-524.
37. Chung, C., Dawande, M., Rajamani, D. and Sriskandarajah, C., "A Short Range Scheduling Model for Blockbuster's Order Processing Operation," **Interfaces**, 2011, 41, 5, pp. 466-484.
38. Geismar, H. N., Dawande, M. and Sriskandarajah, C., "Productivity Improvements from Using Machine Buffers in Dual-gripper Cluster Tools," **IEEE Transactions on Automation Science & Engineering**, 2011, 18, 1, pp. 29-41.
39. Dawande, M., Gavirneni, S., Mu, Y., Sethi, S. and Sriskandarajah, C., "On the Interaction between Demand Substitution and Production Changeovers," **Manufacturing and Service Operations Management**, 2010, 12, 4, pp. 682-691.
40. Mehrotra, M., Dawande, M. and Sriskandarajah, C., "A Depository Institution's Optimal Currency Supply Network under the Fed's New Guidelines: Operating Policies, Logistics, and Impact," **Production and Operations Management**, 2010, 19, 6, pp. 709-724.
41. Lui, D., Sarkar, S., and Sriskandarajah, C., "Resource Allocation Policies for Personalization in Content Delivery Sites," **Information Systems Research**, 2010, 21, 2, pp. 227-248.
42. Dawande, M., Mehrotra, M., Mookerjee, V. and Sriskandarajah, C., "An Analysis of Coordination Mechanisms for the U.S. Cash Supply Chain," **Management Science**, 2010, 56, 3, pp. 553-570.
43. Dawande, M., Drobouchevitch, I., Rajapakshe, T., Sriskandarajah, C. "Analysis of Revenue Maximization Under Two Movie-Screening Policies," **Production and Operations Management**, 2010, 19, 1, pp. 111-124.
44. Dawande, M., Geismar, H. N., Pinedo, M. and Sriskandarajah, C., "Throughput Optimization in Dual Gripper Interval Robotic Cells," **IIE Transactions**, 2010, 42, 1, pp. 1-15.
45. Drobouchevitch, I., Geismar, H. N., Sriskandarajah, C. "Throughput Optimization in Robotic Cells with Input and Output Machine Buffers: A Comparative Study of Two Key Models," **European Journal of Operational Research**, 2010, 206, pp. 623-633.
46. Gale, T., Rajamani, D., Reyes, P.M. and Sriskandarajah, C., "The Impact of RFID on Supply Chain Performance," **Technology Operation and Management (TOM)**, 2010, 1, 2, pp. 1-13.
47. Dawande, M., Pinedo, M. and Sriskandarajah, C., "Multiple Part-Type Production in Robotic Cells: The Equivalence of Two Real-World Models," **Manufacturing and Service Operations Management**, 2009, 11, 2, pp. 210-228.
48. Gupta, S., Manoj, U.V. and Sriskandarajah, C., "Supply Chain Distribution Logistics to Minimize Inventory Holding Cost with Dominant Upstream Partner," **Journal of Systems Science and Systems Engineering**, 2009, 18, 2, pp. 159-183.
49. Manoj, U.V., Dawande, M., Rajamani, D., Sriskandarajah, C. "Mitigating the Risk of Supply Disruptions: A Case Study," **International Journal of Operational Research**, 2009, 5, 2, pp. 131-151.
50. Geismar, H. N., Pinedo, M. and Sriskandarajah, C., "Robotic Cells with Parallel Machines and Multiple Dual Gripper Robots: a Comparative Overview," **IIE Transactions**, 2008, 40, 12, pp. 1211-1227.

51. Dawande, M., Kumar, S., Mookerjee, V. and Sriskandarajah, C., "Maximum Commonality Problems: Applications and Analysis," **Management Science**, 2008, 54, 1, pp. 194-207.
52. Geismar, H. N., Laporte, G., Lei, L., and Sriskandarajah, C., "The Integrated Production and Scheduling Problem for a Product with Short Life Span," **INFORMS Journal on Computing**, 2008, 20, 1, pp. 21-33.
53. Arkali, G., Dawande, M. and Sriskandarajah, C., "Scheduling Support Times for Satellites with Overlapping Visibilities," **Production and Operations Management**, 2008, 17, 2, pp. 224-234.
54. Geismar, H.N., Chan, L.M. A., Dawande, M. and Sriskandarajah, C., "Approximations to Optimal k -unit Cycles for Single-Gripper and Dual-Gripper Robotic Cells," **Production and Operations Management**, 2008, 17, 5, pp. 551-563.
55. Manoj, U.V., Gupta, J.N.D., Gupta, S. and Sriskandarajah, C., "Supply Chain Scheduling: Just-in-Time Environment," **Annals of Operations Research**, 2008, 161, pp. 53-86.
56. Dawande, M., Gupta, R., Naranpanawe, S. and Sriskandarajah, C. "A Traffic Grooming Algorithm for Wavelength Routed Optical Networks," **INFORMS Journal on Computing**, 2007, 19, 4, pp. 565-574.
57. Geismar, H.N., Dawande, M, Rajamani, D. and Sriskandarajah, C., "Managing a Bank's Currency Inventory Under New Federal Reserve Guidelines," **Manufacturing and Service Operations Management**, 2007, 9, 2, pp. 147-167.
58. Geismar, H. N., Dawande, M. and Sriskandarajah, C., "A $\frac{10}{7}$ Approximation Algorithm for an Optimum Cyclic Solutions for Additive Travel-time Robotic Cells," **IIE Transactions**, 2007, 39, pp. 217-227.
59. Rajamani, D., Geismar, H. N. and Sriskandarajah, C., "A Framework to Analyze Cash Supply Chains," **Production and Operations Management**, Feature issue on closed-loop supply chain, 2006, 15, 4, pp. 544-552.
60. Dawande, M., Geismar, H. N., Hall, N.G. and Sriskandarajah, C., "Supply Chain Scheduling: Distribution Systems," **Production and Operations Management**, 2006, 15, 2, pp. 243-261.
61. Geismar, H. N., Dawande, M. and Sriskandarajah, C., "Throughput Optimization in Constant Travel-Time Dual gripper Robotic Cells with Parallel Machines," **Production and Operations Management**, 2006, 15, 2, pp. 311-328.
62. Kumar, S., Jacob, V. and Sriskandarajah, C., "Scheduling Advertisements on a Web Page to Maximize Space Utilization," **European Journal of Operational Research**, 2006, 173, pp. 1067-1089.
63. Drobouchevitch, I., Sethi, S.P. and Sriskandarajah, C., "Scheduling Dual Gripper Robotic Cells : One-unit Cycles," **European Journal of Operational Research**, 2006, 171, 2, pp. 598-631.
64. Bagchi, T.P., Gupta, J.N.D. and Sriskandarajah, C. "A review of TSP based approaches for flowshop scheduling," **European Journal of Operational Research**, 2006, 169, 3, pp. 816-854.
65. Logendran, R., Salmasi, N. and Sriskandarajah, C., "Two-Machine Group Scheduling Problems in Discrete Parts Manufacturing with Sequence-Dependent Setups," **Computers and Operations Research**, 2006, 33, pp. 158-180.

66. Hall, N.G., Laporte, G., Selvarajah, E. and Sriskandarajah, C., "Scheduling and Lot Streaming in Openshops with No-wait in Process," **Naval Research Logistics**, 2005, 52, 3, pp. 261-275.
67. 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**, 2005, 17, pp. 5-21.
68. Dawande, M., Geismar, H. N., Sethi, S.P. and Sriskandarajah, C., "Sequencing and Scheduling in Robotic Cells: Recent Developments," **Journal of Scheduling**, 2005, 8, pp. 387-426.
69. Dawande, M., Kumar, S. and Sriskandarajah, C., "Scheduling Web Advertisements: A Note on the MINSPACE Problem," **Journal of Scheduling**, 2005, 8,1, pp. 97-106.
70. Kumar, S., Ramanan, N., and Sriskandarajah, C., "Minimizing Cycle Time in Large Robotic Cells," **IIE Transactions**, 2005, 37, 2, pp. 123-136.
71. Geismar, H. N., Dawande, M. and Sriskandarajah, C., "Approximation Algorithms for k -unit Cyclic Solutions in Robotic Cells," **European Journal of Operational Research**, 2005, 162, pp. 291-309.
72. Lung, J. Y-T., Li, H., Pinedo, M. and Sriskandarajah, C., "Open Shops with Jobs Overlap – revisited," **European Journal of Operational Research**, 2005, 163, pp. 569-571.
73. Sriskandarajah, C., Drobouchevitch, I., Sethi, S.P. and Chandrasekaran, R., "Scheduling Multiple parts in a Robotic Cell Served by a Dual Gripper Robot," **Operations Research**, 2004, 52, 1, pp. 65-82.
74. Drobouchevitch, I., Sethi, S.P., Sidney, J.B. and Sriskandarajah, C. "Scheduling Multiple Parts in Two-machine Dual Gripper Robotic Cells: Heuristic Algorithm and Performance Guarantee," **International Journal of Operations and Quantitative Management**, 2004, 10, 4, pp. 297-314.
75. Geismar, H. N., Dawande, M., and Sriskandarajah, C., "Robotic Cells with parallel Machines: Throughput Maximization in Constant Travel-Time Cells," **Journal of Scheduling**, 2004, 7, pp. 375-395.
76. Geismar, H. N., Sriskandarajah, C. and N. Ramanan, N., "Increasing Throughput for Robotic Cells with Parallel Machines and Multiple Robots," **IEEE Transactions on Automation Science & Engineering**, 2004, 1, 1, pp. 84-89.
77. Bagchi, T.P., Naranpanawe, S. and Sriskandarajah, C. "A Blocking Flowshop Scheduling Problem with Material Handling Constraint," **International Journal of Operations and Quantitative Management**, 2003, 9, pp. 1-20.
78. Dawande, M., Kumar, S. and Sriskandarajah, C., "Performance Bounds of Algorithms for Scheduling Advertisements on a Web Page," **Journal of Scheduling**, 2003, 6, pp. 373-393.
79. Hall, N.G., Laporte, G., Selvarajah, E. and Sriskandarajah, C., "Scheduling and Lot Streaming in Flowshops with No-wait in Process," **Journal of Scheduling**, 2003, 6, pp. 339-354.
80. Logendran, R., Gelogullari, C. A. and Sriskandarajah, C., "Minimizing the Mean Flow Time in a Two-Machine Group Scheduling Problem with Carryover Sequence Dependency," **Journal of Robotics and Computer Integrated Manufacturing**, 2003, 19, pp. 21-33.

81. Dawande, M., Sriskandarajah, C. and Sethi, S.P., "On Throughput Maximization in Constant Travel-Time Robotic Cells," **Manufacturing and Service Operations Management**, 2002, 4, 4, pp. 296-312.
82. Yan, H., Sriskandarajah, C., Sethi, S.P., and Yue, X., "Supply Chain Redesign to Reduce Safety Stock Levels: Sequencing and Merging Operations," **IEEE Transactions on Engineering Management, Special Issue on Supply Chain Management**, 2002, 49, 3, pp. 243-257.
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84. Hall, N.G., Sriskandarajah, C. and Ganesharajah, T. "Operational Decisions in AGV-Served Flowshop Loops: Scheduling," **Annals of Operations Research**, 2001, 107, pp. 161-188.
85. Hall, N.G., Sriskandarajah, C. and Ganesharajah, T. "Operational Decisions in AGV-Served Flowshop Loops: Fleet Sizing and Decomposition," **Annals of Operations Research**, 2001, 107, pp. 189-209.
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91. Sidney, J.B., Potts, C.N. and Sriskandarajah, C., "A Heuristic for Scheduling Two-machine No-wait Flowshops with Anticipatory Setups," **Operations Research Letters**, 2000, 26, 4, pp. 165-173.
92. Asef-Vaziri, A., Laporte, G. and Sriskandarajah, C., "The Block Layout Shortest Loop Problem," **IIIE Transactions**, 2000, 32, pp. 727-734.
93. Hall, N.G., Potts, C.N. and Sriskandarajah, C., "Parallel Machine Scheduling with a Common Server," **Discrete Applied Mathematics**, 2000, 102, pp. 223-243.
94. Cheng, T. C. E., Sriskandarajah, C. and Wang, G., "Two- and Three-stage Flowshop Scheduling with No-wait in Process," **Production and Operations Management**, 2000, 9, 4, pp. 367-378.
95. Kumar, S., Bagchi, T.P. and Sriskandarajah, C., "Lot Streaming and Scheduling Heuristics for m-machine No-wait Flowshops," **Computers and Industrial Engineering**, 2000, 38, pp. 149-172.
96. Kamoun, H., Hall, N.G. and Sriskandarajah, C., "Scheduling in Robotic Cells: Heuristics and Cell Design," **Operations Research**, 1999, 47, pp. 821-835.

97. Sriskandarajah, C. and Wagneur, E., "Lot Streaming and Scheduling Multiple Products in Two-machine No-wait Flowshops," **IIE Transactions**, 1999, 31, pp. 695-707.
98. Cheng, T. C. E., Wang, G. and Sriskandarajah, C., "One-operator Two-machine Flowshop Scheduling with Setup and Dismounting Times," **Computers and Operations Research**, 1999, 26, pp. 715-730.
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102. Sriskandarajah, C., Jardine, A.K.S., and Chan, C.K., "Maintenance Scheduling of Rolling Stocks Using a Genetic Algorithm," **Journal of Operational Research Society (U.K.)**, 1998, 49, pp. 1130-1145.
103. Sriskandarajah, C., Hall, N.G. and Kamoun, H., "Scheduling Large Robotic Cells without Buffers," **Annals of Operations Research**, 1998, 76, pp. 287-321.
104. Ganesharajah, T., Hall, N.G. and Sriskandarajah, C., "Design and Operational issues in AGV-Served Manufacturing Systems," **Annals of Operations Research** , 1998, 76, pp. 109-154.
105. Hall, N.G., Kamoun, H. and Sriskandarajah, C., "Scheduling in Robotic Cells: Complexity and Steady State Analysis," **European Journal of Operational Research**, 1998, 109, pp. 43-65.
106. Wang, Y., Sethi, S.P., Sriskandarajah, C. and Van De Velde, S.L., "Minimizing Makespan in Flowshops with Pallet Requirements: Computational Complexity," **INFOR**, 1997, 35, 4, pp. 277-285.
107. Hall, N.G., Kamoun, H. and Sriskandarajah, C., "Scheduling in Robotic Cells: Classification, Two and Three Machine Cells," **Operations Research**, 1997, 45, pp. 421-439.
108. Logendran, R. and Sriskandarajah, C., "A Mathematical Modeling Approach for the Process of Part Orientation in Batch Assembly Automation," **International Journal of Computer Integrated Manufacturing**, 1997, 10, 5, pp. 335-345.
109. Hall, N.G. and Sriskandarajah, C., "A Survey of Machine Scheduling Problems with Blocking and No-wait in Process," **Operations Research**, 1996, 44, pp. 510-525.
110. Laporte, G., Asef-Vaziri, A. and Sriskandarajah, C., "Some Applications of the Generalized Traveling Salesman Problem," **Journal of Operational Research Society (U.K.)**, 1996, 47, pp. 1461-1467.
111. Wang, Y., Yan, H. and Sriskandarajah, C., "The Weighted Sum of Split and Diameter Clustering," **Journal of Classification**, 1996, 13, pp. 231-248.
112. Logendran, R. and Sriskandarajah, C., "Sequencing of Robot Activities and Parts in Two Machine Robotic Cells," **International Journal of Production Research**, 1996, 34, 12, pp. 3447-3463.
113. Kubiak, W., Sethi, S.P. and Sriskandarajah, C., "An Efficient Algorithm for a Jobshop Problem," **Annals of Operations Research** , 1995, 57, pp. 203-216.
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115. Logendran, R., Ramakrishna, P. and Sriskandarajah, C., "Tabu Search Based Heuristics for Cellular Manufacturing Systems in the Presence of Alternative Process Plans," **International Journal of Production Research**, 1994, 32, 2, pp. 273-297.
116. Wagneur, E. and Sriskandarajah, C. "Openshops with Jobs Overlap," **European Journal of Operational Research**, 1993, 71, pp. 366-378.
117. Sriskandarajah, C., "Performance of Scheduling Algorithms for No-wait Flowshops with Parallel Machines," **European Journal of Operational Research**, (Special Issue on Machine Scheduling Problems), 1993, 70, 3, pp. 365-378.
118. Kamoun, H. and Sriskandarajah, C., "The Complexity of Scheduling Jobs in Repetitive Manufacturing Systems," **European Journal of Operational Research**, (Special Issue on Machine Scheduling Problems), 1993, 70, 3, pp. 350-364.
119. Logendran, R. and Sriskandarajah, C., "Two-machine Group Scheduling Problem with Blocking and Anticipatory Setups," **European Journal of Operational Research**, (Special Issue on Cellular Manufacturing Systems), 1993, 69, 3, pp. 467-481.
120. Wagneur, E. and Sriskandarajah, C., "The Two-machine Permutation Flowshop with State Dependent Processing Times," **Naval Research Logistics**, 1993, 40, pp. 697-717.
121. Wagneur, E. and Sriskandarajah, C., "Optimal Control of a Class of DEDS: Flow-Shops with State Dependent Processing Times," **Journal of Discrete Event Dynamic Systems**, 1993, 3, pp. 397-425.
122. Jaumard, B., Lou, S., Lu, S.H., Sethi, S.P. and Sriskandarajah, C., "Heuristics for the Design of Part Orienting Systems," **International Journal of Flexible Manufacturing Systems**, 1993, 5, pp. 167-185.
123. Sethi, S.P., Sriskandarajah, C., Sorger, G., Blazewicz, J., and Kubiak, W., "Sequencing of Parts and Robot Moves in a Robotic Cell," **International Journal of Flexible Manufacturing Systems**, 1992, 4, 3-4, pp. 331-358.
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125. Hall, N.G., Sethi, S.P. and Sriskandarajah, C., "On the Complexity of Generalized Due Date Scheduling Problems," **European Journal of Operational Research**, 1991, 51, 1, pp. 100-109.
126. Sriskandarajah, C. and Wagneur, E., "Hierarchical Control of the Two Processor Flow-Shop with State Dependent Processing Times: Complexity Analysis and Approximate Algorithms," **INFOR, Canadian Journal of Information Systems and Operational Research**, 1991, 29, 3, pp. 193-205.
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129. Jaumard, B., Lu, S.H., and Sriskandarajah, C., "Design Parameters Selection and Ordering of Part-orienting Devices," **International Journal of Production Research**, 1990, 28, 3, pp. 459-476.

130. Sriskandarajah, C. and Sethi, S.P., "Scheduling Algorithms for Flexible Flowshops: Worst and Average Case Performance," **European Journal of Operational Research**, 1989, 43, 2, pp. 143-160.
131. Sriskandarajah, C. and Goyal, S.K., "Scheduling of a Two- Machine Flowshop with Processing Time Linearly Dependent on Job Waiting-time," **Journal of Operational Research Society (U.K.)**, 1989, 40, 10, pp. 907-921.
132. Sriskandarajah, C., Sethi, S. P. and Ladet, P., "Scheduling Methods for a Class of Flexible Manufacturing Systems," **Annals of Operations Research**, 1989, 17, pp. 139-162.
133. Goyal, S.K. and Sriskandarajah, C., "No-wait Shop Scheduling: Computational Complexity and Approximate Algorithms," **Opsearch, Journal of the Operational Research Society of India**, 1988, 25, 4, pp. 220-244.
134. Sriskandarajah, C. and Ladet, P., "Some No-wait Shops Scheduling Problems: Complexity Aspect," **European Journal of Operational Research**, 1986, 24, 3, pp. 424-438.

REFEREED CONTRIBUTIONS TO EDITED BOOKS

1. Sriskandarajah, C., Ladet, P. and Germain, R., "Scheduling Methods for a Manufacturing System," **Flexible Manufacturing Systems: Methods and Studies**, edited by Andrew Kusiak, Elsevier Science Publishers, B.V. North-Holland, Amsterdam, (1986), pp. 173-189.
2. Rajamani, D. Sriskandarajah, C., Pickens, T. and Hameed. S. 2009. "A Framework for Risk Management in Supply Chains," Icfai University Press, India.

BOOKS

1. Dawande, M., Geismar, H. N., Sethi, S.P., Sriskandarajah, C. 2007. *Throughput optimization in Robotic Cells*, Springer.

RESEARCH-IN-PROGRESS

Papers submitted to refereed journals:

1. Huang, Y., Zhu, Y., Majumdar, M., Shetty, B., Sriskandarajah, C., "Managing Coins for Depository Institutions in Coin Supply Chains for Improved Circulation," **Production and Operations Management**, September 2022. Under Major Revision.
2. Lee, S., Angelus, A., Stauffer, J., Sriskandarajah, C. "Optimal Shipping, Collaboration, and Outsourcing Decisions in a Cross-docking Supply Chain," **IIE Transactions**, October 2022. Under Major Revision.
3. Kizil, K., Sriskandarajah, C. Stauffer, J. "Robotic Mobile Fulfillment Systems: An Integrated Framework for Performance Analysis," **Production and Operations Management**, May 2023, Submitted.
4. Majumdar, M., Kumar, S., Sriskandarajah, C., "Know Your Users via Image Analytics Before Developing Posts: Data-Driven Optimization Framework to Enhance Social Media Engagement," **Management Science**, June 2023, Submitted.
5. Kesrit, P., Sriskandarajah, C., Stauffer, J., "Appointment Template Design in Multi-stage Outpatient Clinics under Patient Heterogeneity," **Production and Operations Management**, July 2023, Submitted.

6. Zhu, Q., Heim, G., Sriskandarajah, C., Zhu, Y., “Improving E-Retailer Order Fulfillment: Packing Boxes Better,” **Production and Operations Management**, July 2023, Submitted.

Working papers/work-in-progress:

1. Lee, S., Angelus, A., Sriskandarajah, C., “Virtual Microgrids: Implications of Blockchain Technologies for Peer-to-Peer Trading of Renewable Energy.” Reject and Resubmit in **Manufacturing and Service Operations Management**, December 2022.
2. Majumdar, M., Agrawal, A., Sen, A., Sriskandarajah, C., “The Impact of Service Delivery and Experience on Accountable Care Organizations’ Financial and Quality Performance - An Empirical Examination,” *Working Paper*, December, 2022.
3. Majumdar, M., Agrawal, A., Shetty, B., Sriskandarajah, C., “Safety Stock Allocation in an Online Retailing Network: A Stochastic Optimization Approach.” *Working Paper*, May 2022.
4. Drobouchevitch, I., Geismar, H.N., Sriskandarajah, C., Zhu, Y., “Cross-dock Terminal Scheduling with Temporary Inventory and Zero-Inventory,” *Working Paper*, October 2019.
5. Youn, S., Agrawal, A., Kumar, S., Sriskandarajah, C., “Selecting Healthcare Providers for Bundled Payments in Healthcare Services,” *Working Paper*, December 2016.

PATENT

1. Kumar, S., Ramanan, N., Sriskandarajah, C., “Robotic system control,” April 29, 2003, U.S. Patent No. 6,556,893.
2. Geismar, N., Ramanan, N., Sriskandarajah, C., “Scheduling Multi-Robot Processing Systems,” Granted August 8, 2006, U.S. Patent No. 7,089,076.

Software Package:

RollSched software package developed for maintenance scheduling: implemented at the Hong Kong Mass Transit Corporation, 1997.

Invited Talks:

1. “An Optimization Framework for Analyzing Dual-donor Organ Exchange,” University of Buffalo, U.S.A, March 14, 2023.
2. “Novel Operations Problems arising from Practical Applications,” Keynote Address at POMS International Conference, Sri Lanka, December 14-16, 2018.
3. “Models for Identification of Influencers in Social Networks,” presented at Fox School of Business, Temple University, U.S.A, November 1-2, 2017.
4. “Managing Logistics in Regional Banknote Supply Chain under Security Concerns,” presented at Krannert School of Management, Purdue University, U.S.A, as a part of the Purdue CIBER PhD Consortium meeting on International Operations Management, September 10-12, 2015.
5. “Managing Logistics in Regional Banknote Supply Chain under Security Concerns,” presented at Lerner College of Business, University of Delaware, U.S.A, March 2015.

6. "Inventory Models for Medium-Size Depository Institution under the New Federal Reserve Policy," presented at Department of Industrial and Systems Engineering, Texas A&M University, U.S.A, September 2012.
7. "Novel Operations Problems Arising from Practical Applications," presented at Mays School of Business, Texas A&M University, U.S.A, December 2011.
8. "Sequencing and Scheduling in Robotic Cells," presented at the School of Mechanical and Electrical Engineering, Autonomous University of Nuevo Leon, San Nicolas de los Garza, Monterrey, Mexico, October 18, 2011.
9. "Sequencing and Scheduling in Robotic Cells," presented at the Department of Management Studies, IIT Madras, India, December 3, 2010.
10. "Novel Operations Problems Arising from Practical Applications," presented at C.T. Bauer College of Business, University of Houston, Texas, U.S.A, December 2009.
11. "Supply Chain Scheduling: Just-in-Time Environment," presented at GERAD, Ecole des Hautes Etudes Commerciales (HEC), University of Montreal, Canada, April 2007.
12. "Supply Chain Scheduling: Just-in-Time Environment," presented at Cox School of Business, SMU, Dallas, Texas, U.S.A, November 10, 2005.
13. "Supply Chain Scheduling: Just-in-Time Environment," presented at Robert H. Smith School of Business, University of Maryland, College Park, MD, U.S.A, November 2, 2005.
14. "Algorithms for Scheduling Advertisements on a Web Page," presented at Weatherhead School of Management, Case Western Reserve University, Cleveland, Ohio, U.S.A, October 2002.
15. "Scheduling Problems in Robotic Cells," presented at the College of Business, University of Houston, Texas, U.S.A, March 1999.
16. "Scheduling in Robotic Cells : Heuristic and Cell Design," presented at the School of Management, The University of Texas at Dallas, U.S.A, April 1998.
17. "Merging and Balancing : Manufacturing Logistics Re- Engineering," presented at the Department of Industrial Engineering and Engineering Management, Hong Kong University of Science and Technology, May 1997.
18. "Scheduling Large Robotic Cells," presented at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur, India, January 1997.
19. "Maintenance Scheduling of Rolling Stock using a Genetic Algorithm," presented at the Department of Industrial and Management Engineering, Indian Institute of Technology, Kanpur, India, January 1997.
20. "Scheduling Large Robotic Cells," presented at the Department of Systems Engineering and Engineering Management, The Chinese University of Hong Kong, November 1996.
21. "Maintenance Scheduling for Hong Kong Mass Transit," presented at the Department of Management, The Hong Kong Polytechnic University, November 1996.
22. "Maintenance Scheduling of Rolling Stock using a Genetic Algorithm," presented at the Mass Transit Corporation, Hong Kong, September 1996.
23. "Scheduling Large Robotic Cells," presented at the Department of Automatic Control and Production Systems, Ecole Des Mines de Nantes, Nantes, France, June 1996.
24. "Machine Scheduling Problems with No-wait in Process," presented at the Department of Management Science and Information Systems, Faculty of Business, McMaster University, Canada, April 1992.
25. "Shop Scheduling Problems with No-wait in Process," Faculty of Management, McGill University, Montreal, Canada, January 1992.

26. "Scheduling Parts and Robot Moves in a Robot-Centered Flexible Manufacturing Cell," Industrial Engineering Department, University of Windsor, Canada, October 1991.
27. "Sequencing of Robot Moves and Multiple Parts in a Robotic Cell," Industrial Engineering Department, University of Toronto, Canada, September 1989.
28. "Scheduling of Robot Moves and Parts in a Robotic Cell," presented at the Department of Management Science and Information Systems, Faculty of Business, McMaster University, Hamilton, Canada, March 1989.
29. "Algorithms d'Ordonnancement pour un Atelier du Type Ligne de Transfert Flexible: Evaluation des Performances," (Scheduling Algorithms for Flexible Flowshops: Performance Evaluation). Presented at GERAD, Ecole des Hautes Etudes Commerciales (HEC), University of Montreal, Canada, April 1987.
30. "Optimal Selection and Ordering of Part-Orienting Devices for a Series System," presented at the Department of Industrial Engineering, Technical University of Nova Scotia, Canada, November 1986.
31. "Shops Scheduling Problems: Computational Complexity and Heuristic Algorithms," presented at the Department of Management Science, University of Waterloo, Canada, June 1986.

Visiting Appointments:

1. **Visiting professor** : Ecole Des Mines de Nantes, Nantes, France, June 1996 (one month).
2. **Senior Research Fellow** : The Hong Kong Polytechnic University, Hong Kong, 15 July 1996 to 31 December 1996.
3. **Senior Research Fellow** : The Chinese University of Hong Kong, Hong Kong, 01 February 1997 to 31 July 1997.

Technical Consulting and Advisory Activities

1. **Client:** Blockbuster, McKinney, TX, USA,
Activity: Forecast Model for Short-Life-Cycle Products: New Releases at Blockbuster
Duration: January 2008-December 2009.
2. **Client:** BNSF Railway Company, Fort Worth, TX, USA,
Activity: Locomotive Scheduling Project
Duration: July 2006-December 2007.
3. **Client:** Brinks, Dallas, TX, USA,
Activity: Develop Supply Chain Models,
Duration: June 2004-March 2005.
4. **Client:** FSI International, Allen, TX, USA,
Activity: Develop Scheduling Algorithms for Robotic Cells to Enhance Productivity,
Duration: September 2000-December 2000.
5. **Client:** Chevron/Fina, Dallas, TX,
Activity: Develop a Linear Programming Model for Optimizing Two Companies' Combined Supply Networks for Blending/Manufacturing Operations (as a MS student Project),
Duration: January 2000-May 2000.
6. **Client:** Dependable Auto Shippers, Dallas, TX
Activity: Develop Truck Routing Optimization Procedures for the Dependable Auto Shippers (as a MS student Project),
Duration: January 2000-May 2000.

7. **Client:** Motorola Semiconductor Hong Kong Limited,
Activity: Cycle time reduction for design projects (as a part of my research activities during sabbatical),
Duration: February 1997-June 1997.
8. **Client:** Hong Kong Mass Transit Railway Corporation,
Activity: Develop maintenance scheduling of Trains (as a part of my research activities during sabbatical),
Duration: August 1996-December 1996.

RESEARCH GRANTS

1. **Title:** L'ordonnancement dans un atelier flexible,
Supporting Agency: Ecole Polytechnique de Montréal,
Amount: \$4,000,
Grant Period: July 1987-June 1988.
2. **Title:** Résolution de problèmes d'ordonnancement et de conception de machine (Research Group: M. Desrochers, PI; C. Sriskandarajah, B. Jaumard; co-investigators),
Supporting Agency: FCAR,
Amount: \$45,000/year,
Grant Period: June 1988-May 1990.
3. **Title:** Production planning and scheduling,
Supporting Agency: NSERC,
Amount: \$11,500/year,
Grant Period: April 1989-March 1992.
4. **Title:** Production scheduling in a robotic cell,
Supporting Agency: University of Toronto (Connaught, phase I, New Staff Grant),
Amount: \$5,000/year,
Grant Period: June 1990-June 1992.
5. **Title:** Planning, scheduling, and control of manufacturing, (Research Group: S.P. Sethi, PI; C. Sriskandarajah, S. Lou, D. Krass, co-investigators),
Supporting Agency: MRCO,
Amount: \$148,600 for 1/4/91-31/3/92.
Amount: \$112,800 for 1/4/92-31/12/92.
6. **Title:** Production planning and scheduling in modern manufacturing systems,
Supporting Agency: NSERC,
Amount: \$25,000/year,
Grant Period: April 1992-March 1995.
7. **Title:** Distribution management of order life cycle function, (Research Group: M.S. Fox, PI; C. Sriskandarajah, M. Chignell, A.K.S. Jardine and V. Makis, co-investigators),
Supporting Agency: MRCO,
Amount: \$150,000/year,
Grant Period: 1993-1995.
8. **Title:** Production planning and scheduling in modern manufacturing systems,
Supporting Agency: NSERC,
Amount: \$28,000/year,
Grant Period: April 1995-March 1999.

9. **Title:** Minicomputer for production planning, scheduling and control research,
Supporting Agency: NSERC (Equipment Grant),
Amount: \$11,130/year,
Grant Period: April 1995-March 1996.
10. **Title:** Scheduling in Modern Manufacturing Systems, (Research Group: N.G. Hall; C.N. Potts; C. Sriskandarajah),
Supporting Agency: NATO,
Amount: \$9,200,
Grant Period: January 1996-January 1998.
11. **Title:** Supervisory Control of Flexible Manufacturing Systems, (Research Group: B. Benhabib, PI; C. Sriskandarajah, J.K.Mills, co-investigators),
Supporting Agency: MMO,
Amount: \$160,000,
Grant Period: January 1998-January 1999.
12. **Title:** Production Planning and Scheduling in Manufacturing/Service systems,
Supporting Agency: (NSERC) Natural Sciences and Engineering Research Council of Canada
Amount: \$32,340/year,
Grant Period: April 1999-March 2000.
13. **Title:** Optimum Throughput Model Program for Robotic Cells,
Supporting Agency: FSI International, Allen, Texas, USA,
Amount: \$27,082
Grant Period: September 2000-June 2001.
14. **Title:** Collaborative Research/Scheduling Methodologies for Electronics and hardware manufacturing,
(Research Group: R. Logendran, Co-PI; C. Sriskandarajah, Co-PI),
Supporting Agency: (NSF) National Science Foundation
Amount: \$250,000
Grant Period: July 2001-June 2003.
15. **Title:** Safe and Available Food & Water (impact on Human and Animal Health): Transformative Impacts on One Health Using Electron Beam as a Platform Technology Utilizing platform technology to significantly improve food safety, enhance the quality of therapeutics such as vaccines, and improve the durability and quality of medical implants,
(Research Group: Suresh D. Pillai , PI; Rosemary Walzem, Co-PI; C. Sriskandarajah, member of the research group),
Supporting Agency: Texas A&M University under One Health Initiative
Amount: \$50,000
Grant Period: August 2014-August 2015.

III. TEACHING INTERESTS AND EXPERIENCE

TEACHING INTEREST

- Operations Management.
- Supply Chain Management.
- Health Care Operations Management.

- Logistic and Distribution Planning.
- Lean/Six-Sigma Process.
- Production Planning and Control.
- Production/Service Scheduling.
- Modeling and Analysis of Manufacturing Systems.
- Optimization Methods.

UNDERGRADUATE COURSES TAUGHT

Texas A& M University:

SCMT 364 Operations Management, Spring, Fall 2014, Spring 2015, Spring 2016 (2), Fall 2016, Spring 2018 (2), Spring, Fall 2019, Spring 2020, Spring 2021 (2), Spring 2022 (2), Spring 2023 (2).

INFO 364 Operations Management, Spring Semester 2013, Fall Semester 2013

University of Texas at Dallas:

BA 3352 Production Management, Fall Semester, 1998, 1999, 2000 (2), 2002, 2003 (2)

BA 3352 Production Management, Spring Semester, 1999 (2), 2000, 2002, 2003

University of Toronto:

MIE 468 Facility Planning - Spring Semester, 1998

IND 325 Resource and Production Systems - Spring Semesters, 1998, 96, 95

IND 307 Fundamentals of Production - Spring Semesters, 1994, 93, 92, 91

IND 376 Manufacturing systems - Spring Semester, 1996

IND 414 Applications of Management Science - Spring Semester, 1994

IND 415 Production Systems - Fall Semesters, 1994, 93, 92, 91, 90

GRADUATE COURSES TAUGHT

Texas A& M University:

SCMT 681 Doctoral Seminar in Supply Chain Management, Fall Semester, 2022.

SCMT 688 Doctoral Seminar in Supply Chain Management, Spring Semester, 2021.

SCMT 705 Global Operations, Spring Semester, 2017, 2018

SCMT 688 Doctoral Seminar in Supply Chain Management, Spring Semester, 2015, 2017, Fall 2018

INFO 688 Doctoral Seminar in Supply Chain Management, Spring Semester, 2013

INFO 660 Operations Management, Fall Semester 2013

University of Texas at Dallas:

OPRE 6302 Operations Management- 2004(2), 2006(5), 2007(2), 2008, 2009(2), 2012

HMGT 6302 Health Care Operations Management - 2010, 2011, 2012

SYSM 6314 Manufacturing & Service Systems Planning and Analysis - 2011

OPRE 6260 Operations Management- Fall Semesters, 2000, 2001, 2002, 2003

OPRE 6260 Operations Management- Spring Semesters, 2001(2), 2002(2), 2003(2), 2004(2)

OPRE 6260 Operations Management- Summer 2003

OPRE 6260 Operations Management (MIMS) - Summer 2001

OPRE 6260 Operations Management (On-line Global MBA) - Fall 2001, Spring 2004

OPRE 6361 Production Planning and Control - Fall 1998; Spring 2000, Fall 2002, 2006

OPRE 6385 Scheduling - 2001, 2006, 2007, 2009

OPRE 6305 Combinatorial Optimization - 2005

OPRE 7330 Deterministic Models in Operations Research - Fall 1999

University of Toronto:

MIE 562 Scheduling - Fall Semester, 1997

IND 1125 Group Technology - Spring Semesters, 1992, 91

IND 1121 Production and Inventory Control - Fall Semesters, 1993, 92, 91, 90

IND 1121 Production Planning and Control - Fall Semesters, 1997,95, 94

MIE 1722 Production Planning and Control - Fall Semester, 1998

IND 1812 Plant Layout and Materials Handling - Spring Semesters, 1994, 93

IND 1104 Modelling and Analysis of Manufacturing Systems - Spring Semester, 1995

Ecole Polytechnique of Montreal:

Optimization and Production Scheduling, Spring Semesters, 1990, 89, 88

Courses Taught for Engineering Continuing Education, University of Toronto: Special Presentation in Quality Management, Course: Manufacturing-Related Management Systems, Nov. 11-14, 1991, Nov. 16-19, 1992.

Laboratory Development:

Coordinator, Manufacturing Systems Laboratory, University of Toronto, 1990-1998: I have developed this laboratory for teaching and research. The development of a flexible robotic cell has been completed. The cell was fully operational and includes two machines (milling machine and lathe), a robot server, and an automated storage and retrieval system (ASRS) as input and output devices. The laboratory contains the robotic cell in which the two decisions (robot move cycle, part sequencing problem) are jointly optimized. The software for the cell is developed by my former Ph.D. student, H.Kamoun, as a result of his and my joint research work. The detailed implementation of the software in the cell is carried out by two undergraduate students (Emil Chan, Daisy Lau). The cell has been successfully used to teach concepts of manufacturing systems (CIM/CAD) in an undergraduate course (IND307 Fundamental of Production, Spring semesters 1992, 1993), providing students with hands on experience in operating an FMS. In the second phase of the laboratory development, we integrated an Automated Storage Retrieval System with the cell.

SUMMARY OF THESES SUPERVISED

Category	Number of Successfully Completed Theses	Number of Theses in Progress
Ph.D Thesis	18	2
M.Sc Thesis	1	-
MS Project	7	-
BS Project	22	-
PostDoct/Visitor	3	-

IV. UNIVERSITY AND COMMUNITY SERVICE

Committee Member, Review of Sales Institute, Mays Business School, Texas A&M University, Spring-Summer 2023.

Dean Search Committee member, Mays Business School, Texas A&M University, March 2022 - December 2022.

PhD Coordinator, Information and Operations Management Department, Mays Business School, Texas A&M University, June 2017 - July 2020.

P&T Committee Member, Mays Business School, Texas A&M University, August 2014 - August 2017.

Research Council Member, Mays Business School, Texas A&M University, August 2012 - August 2017.

One Health Member, Texas A&M University, July 2013 - July 2017.

Think Tank Member, Mays Business School, Texas A&M University, August 2012 - August 2013.

Committee Member, Review the Center for Human Resource Management, Mays Business School, Texas A&M University, Spring 2014.

Search Committee Chair, Mays Business School, Texas A&M University, August 2014 - August 2015.

Search Committee Chair, Mays Business School, Texas A&M University, August 2013 - August 2014.

Search Committee Member, Mays Business School, Texas A&M University, August 2012 - August 2013.

Senate Member, University of Texas at Dallas, July 2009- June 2010.

Committee Member, Masters Program, School of Management, University of Texas at Dallas, July 2002 - to date.

Committee Member, Ad-hoc committee chair, 3rd year review of Dr. Jun Zhang, School of Management, University of Texas at Dallas.

OM Search Committee Member, School of Management, University of Texas at Dallas, 2008 - 2009.

IS Search Committee Member, School of Management, University of Texas at Dallas, 2008 - 2009.

Committee Member, CEP Committee, University of Texas at Dallas, July 2007 - August 2009.

Committee Member, Ad-hoc committee, 3rd year review, School of Management, University of Texas at Dallas, 2005-2006.

Committee Member, Ad-hoc committee, Tenure review, School of Management, University of Texas at Dallas, 2005-2006.

Committee Member, Ad-hoc committee, Full Professor review, School of Management, University of Texas at Dallas, 2005-2006.

Committee Member, CQ Committee, University of Texas at Dallas, July 2005 - June 2007.

Personal Committee Member, University of Texas at Dallas, July 2001- June 2003.

Senate Member, University of Texas at Dallas, July 2000- June 2001.

OM Area Coordinator, Operations Management (OM) Program, Ph.D. program development in OM, Recruiting and advising Ph.D. students in OM), School of Management, University of Texas at Dallas, July 1998- July 2004.

OM PhD Coordinator, Operations Management (OM) Program, Ph.D. program development in OM, Recruiting and advising Ph.D. students in OM), School of Management, University of Texas at Dallas, July 2005- July 2010.

Committee Member, Masters Program, School of Management, University of Texas at Dallas, July 2000 - June 2001.

Search Committee Member, Recruiting in Operations Management area, School of Management, University of Texas at Dallas, August 1999 - June 2000, August 2002 - June 2004.

Search Committee Member, Recruiting in Information Systems area, School of Management, University of Texas at Dallas, August 1999 - June 2000.

Committee Member, Academic Policy and Planning, School of Management, University of Texas at Dallas, July 1998- June 2001.

Member, Intellectual Contributions Committee (AACSB sub-committee), School of Management, University of Texas at Dallas, 1999-2000.

Coordinator, Manufacturing Systems Laboratory, University of Toronto, July 1990- June 1998.

Member of the Tenure Committee (V.Makis), University of Toronto, March 1998.

Member of the Reading Evaluation (Research) Committee (V.Makis), University of Toronto, March 1998.

Associate Chair of Graduate Studies, Department of Industrial Engineering, University of Toronto, November 1994- December 1995.

Coordinator, Operations Research/Management Science Group, University of Toronto, July 1994- November 1994.

Member of Task Force on the merger of Mechanical and Industrial Engineering Departments, University of Toronto, 1994-1995.

Member of Task Force on the merger of Graduate units of Mechanical and Industrial Engineering Departments, University of Toronto, 1995-1996.

Faculty Advisor: Canadian Society of Industrial Engineers (CSIE), Student Chapter, University of Toronto, 1990- 1994, Helped to organize 13th Annual C.S.I.E. Student Conference (1993), Toronto. I received a Dean's special merit award in recognition of my outstanding commitment towards our undergraduate student chapter of the CSIE.

Member of Task Force on Mathematical Sciences, University of Toronto, 1994-1995.

Member of a Committee for the appointment of the Chair of First Year, University of Toronto 1993.

Member of a Steering Committee, to advise on the planning of a Seminar on “Advances in Material Warehouse Handling” for the Continuing Engineering Education Program, University of Toronto 1993.

Member of a Department Strategic Planning Steering Committee, University of Toronto 1994.

Member of Strategic Planning Group, Undergraduate and Graduate Program Formats and Practices, Faculty of Engineering, University of Toronto 1994.

Seminar Coordinator, Department of Industrial Engineering, University of Toronto, 1990-1992.

Member of Work Load Committee, Department of Industrial Engineering, University of Toronto, 1994-1995.

Member of Space Committee, Department of Industrial Engineering, University of Toronto, 1991-1996.

Member of Task Force on Undergraduate Curriculum Review, Department of Industrial Engineering, University of Toronto, 1992-1996.

Member of Search Committee, Department of Industrial Engineering, University of Toronto, 1992-1993.

Current Position of my PhD Students: I have graduated 18 PhD students (Refer table below: five graduated from Texas A&M University, nine students graduated from UTD, and four students graduated from University of Toronto).

Current Position of my PhD Students (UTD and Texas A&M): (1998-2021)

No.	Student Name	Graduation Year	Current Position	Current University/Company
1	Subodha Kumar	2001 UTD	Chaired Professor (Paul R. Anderson Distinguished Professor)	Temple University, Fox School of Business
2	Neil Geismar	2003 UTD	Full Professor	Texas A&M University, College Station, Mays Business School
3.	Sanjeewa Naranpanawe	2005 UTD	Consultant	SAS Institute Inc. Cary, North Carolina
4.	Manoj U.V.	2007 UTD	Associate Professor	University of North Carolina, Wilmington, Cameron School of Business
5.	Mili Mehrotra Advisers: Dawande, Sriskandarajah	2010 UTD	Associate Professor	University of Illinois at Urbana-Champaign, Gies College of Business
6.	Casey Chung	2010 UTD	Vice President Logistics	Conn's Inc.
7.	Tharanga Rajapakshe	2011 UTD	Associate Professor	University of Florida, Warrington College of Business
8.	Yunxiz (Peter) Zhu Advisers: Dawande, Sriskandarajah	2012 UTD	Associate Professor	University of Nebraska-Lincoln College of Business
9.	Kyung Sung Jung Advisers: Sriskandarajah, Niu	2013 UTD	Clinical Associate Professor	University of Florida, Warrington College of Business
10.	Yiwei Huang Advisers: Sriskandarajah, Geismar	2016 Texas A&M	Assistant Professor	Penn State University, Shenango, College of Business
11.	Rakesh Mallipeddi Advisers: Sriskandarajah, Kumar	2019 Texas A&M	Assistant Professor	Fisher College of Business, Ohio State University
12.	Seokjun Youn	2019 Texas A&M	Assistant Professor	Eller College of Management, The University of Arizona
13.	Mayukh Majumdar Advisers: Sriskandarajah, Agrawal	2022 Texas A&M	Assistant Professor	Knauss School of Business, University of San Diego
14.	Seulchan Lee Advisers: Sriskandarajah, Angelus	2022 Texas A&M	Assistant Professor	College of Business, Michigan Technological University at Houghton, Michigan

Current Position of my PhD Students: University of Toronto (1990-1998)

No.	Student Name	Graduation Year	Current Position	Current University/Company
1	Hichem Kamoun	1994	Professor	Faculte des Sciences Economiques et de Gestion de Sfax, Tunisia
2	I.N. Kamal Abadi	1995	Professor	Industrial Engineering Engineering, University of Kurdistan, Sanandaj, Iran
3.	Tharmarajah Ganesharajah	1997	Professor	Humber College, North Campus in Toronto, Ontario, Canada
4.	Ardavan Asef-Vaziri Advisers: Sriskandarajah, Carter	1997	Professor	David Nazarian College of Business and Economics, California State University, Northridge

Societal Impact Statement

Research Impact: My research revolves around solving various operations management problems with the goal of making production or service systems more economical and efficient. My efforts have been directed towards applying theoretical results, as well as developing new insights and techniques to solve problems that arise in manufacturing or service systems. Over the years, I have led a number of research projects in the area of manufacturing operations/supply chain management/logistics/healthcare management and made fundamental contributions to these areas. I have pioneered the research in the physical currency supply chain management, and sequencing and scheduling in robotic cells. As a consequence of my research impact to the field, I was inducted as a fellow of Production and Operations Management Society (POMS) in 2012. In 2020, POMS honored me by instituting Dr. Chelliah Sriskandarajah Early Career Award, in recognition of my sustained and significant scholarly contributions.

Impact to PhD Education: I have trained and mentored many doctoral students and served as PhD coordinator. I have contributed significantly to the PhD programs. During my career, I have served as chair or co-chair of 18 dissertations, several of my doctoral students succeed as prominent scholars and rise to the top of their craft at many major business schools.

Impact to Service: I have served as editor and associate editor of major journals in our field. I have provided extremely valuable service to the Operations and Supply Chain Management profession. I held several significant leadership roles in the Production and Operations Management Society (POMS) which is the flagship academy for professionals in production and operations management area. I served as the Associate Executive Director of POMS from 2004-2012. This task required a great deal of effort, dedication, and integrity. I was named Vice President - Finance of POMS in 2013. I was named a Departmental Editor for the Production and Operations Management journal in 2012 and Associate Editor of Manufacturing and Service Operations Management in 2013. Further, I was the general chair of the Production and Operations Management Society conference in 2011. POMS honored me in 2015 with the lifetime service award for several responsibilities I have shouldered since 2004. I served as President of POMS, 2020-2021, a distinction traditionally held by the very best scholars in the field.