

Jose M. Cruz

Associate Professor, Operations and Information Management
School of Business
University of Connecticut
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Professional Summary

Accomplished Associate Dean and Associate Professor with over 20 years of experience in academic leadership, graduate program innovation, and internationally recognized research in sustainable supply chain networks, equilibrium modeling, and AI-enabled governance systems. Led the launch and growth of multiple high-impact graduate programs, including UConn's Online MBA, MS in Supply Chain Management, MS in Financial Technology, and MS in Data Science, while directing a successful AACSB reaccreditation. Ranked among the Top 100 Global Scholars in Supply Chain Management (ScholarGPS 2024–2025), with 30+ peer-reviewed publications in leading journals. Known for building interdisciplinary programs, strengthening global partnerships, and mentoring over 2,000 graduate students toward impactful careers.

Education

- **Ph.D. in Business Administration** (Concentration: Management Science)
University of Massachusetts, Amherst (UMass -May 2004)
 - **Thesis Title:** *International Financial Networks and Global Supply Chains: A Unified Framework for Decision-Making, Optimization, and Risk Management*
 - **Thesis Advisor:** Anna Nagurney, John F. Smith Memorial Professor, Isenberg School of Management
 - **MBA in Finance**, University of Massachusetts (May 2001)
 - **M.S. in Applied Mathematics**, University of Massachusetts (May 2000)
 - **B.S. in Computer Systems Engineering**, University of Massachusetts (May 1995)
 - **B.S. in Mathematics**, University of Massachusetts (December 1995)
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Academic Leadership & Administration

- **Associate Dean for Graduate Programs**
School of Business, University of Connecticut | Aug 2019 – Aug 2025
 - **Strategic Program Development & Launches**
Spearheaded the creation and successful launch of multiple innovative graduate and undergraduate programs, including:
 - M.S. in Supply Chain Management (2024)
 - M.S. in Corporate Social Responsibility & Impact in Business (2024)
 - UConn M.S. in Data Science (2022)
 - Online MBA (2021)
 - M.S. in Financial Technology (FinTech) (2021)
 - B.S. in Financial Technology (FinTech) (2023)

- Accelerated Master's Degree Pathways (Undergraduate-to-Graduate)
- Global University Pathway Partnerships
- **Accreditation Leadership**
Directed the School's **successful AACSB reaccreditation (2021)**, ensuring alignment with international standards of excellence in business education.
- **University Service**
Appointed to the **Provost's University-Wide Dean Review Committee (2025)**, contributing to strategic governance and institutional effectiveness.
- **Academic Director, Master of Science in Business Analytics & Project Management (MSBAPM)** | Jun 2012 – Aug 2019
 - **Program Design & Growth**
Key architect of the MSBAPM program, designing curriculum and structure.
 - Expanded enrollment from **11 students at inception to 225 students annually at peak**.
 - Elevated program to become one of the **highest-ranked and most recognized analytics master's programs nationally**.
- **Associate Director, Outreach, Center for Advancement of Business Analytics (CABA), UConn School of Business** | Aug 2017 – Aug 2018
 - Led strategic outreach efforts to strengthen **industry engagement, corporate partnerships, and applied analytics initiatives** in support of CABA's mission.

Faculty Positions

- **Tenured Associate Professor, UConn School of Business** (August 2012 – Present)
- **Assistant Professor, UConn School of Business** (August 2004 – August 2012)
- **Research and Teaching Assistant, UMass Amherst** (1996 – 2004)

Academic Honors

- **Research Awards and Recognition**
 - **Ranked #94 in the Field of Supply Chain Management**
ScholarGPS Global Author Rankings. Recognized among the top 100 researchers worldwide in the field of Supply Chain based on scholarly impact, citation performance, and sustained contributions to the discipline. (2024 & 2025).
 - **Ackerman Scholarship**: Recognized for significant scholarly productivity, University of Connecticut (2012–2016, 2014–2016).
 - **Best Research Paper Award**: *University of Memphis, Fogelman College of Business and Economics (2009)*. *Multiperiod effects of corporate social responsibility on supply chain networks, transaction cost, emissions, and risk* (with T. Wakolbinger), *International Journal of Production Economics*, 116(1), 61–74.
 - Invited Speaker/Participant: *Humanitarian Logistics: Networks for Africa*, Rockefeller Foundation Bellagio Center, Italy (May 2008).

- **INFORMS Young Researcher Roundtable Participant:** Selected participant (April 2006).
- **Best Paper of the Year Award (2004):** *Computational Management Science Journal, International financial networks with intermediation: Modeling, analysis, and computations*, with A. Nagurney.
- **INFORMS Doctoral Consortium Participant:** Selected participant (October 2003).
- **Teaching Awards and Recognition**
 - **Provost Teaching Excellence Recognition:** University of Connecticut (Fall 2015, Spring 2015, Fall 2014).
 - **PMBA Teacher of the Year (OPIM):** Voted by part-time MBA students (2014–2015).
 - **Graduate Teaching Award:** Most outstanding teacher in graduate education, School of Business, University of Connecticut (2012–2013).
 - **Nominated for Robert Foster Cherry Award for Great Teaching:** Honors outstanding professors globally (2012).
 - **Undergraduate Teaching Award:** Most outstanding teacher in undergraduate education, School of Business, University of Connecticut (2010–2011).
 - **Nominated for Distinguished Teaching Award:** University of Massachusetts, Amherst (2003–2004).
- **Service Awards and Recognition**
 - **UConn-AAUP Excellence Award:** Service Excellence, University of Connecticut (2019).
 - **European Journal of Operational Research Outstanding Contribution in Reviewing** (2017).
 - **Distinguished Service Award:** Recognized for outstanding service contributions, School of Business, University of Connecticut (2015–2016).

Research Interests

My research develops analytical equilibrium and variational inequality models to examine decentralized, multi-tier supply chain systems operating under sustainability mandates, financial risk exposure, regulatory constraints, and emerging AI-enabled governance architectures. I focus on how environmental policy, financial instruments, and algorithmic decision authority shape coordination, efficiency, resilience, and sustainability outcomes in complex interorganizational networks.

Research Domains

- Sustainable and responsible supply chain network design
 - Decentralized and multi-period equilibrium modeling
 - Environmental regulation, emissions policy, and climate governance
 - Financial hedging, risk-sharing, and operational resilience
 - AI-enabled governance and human–algorithm decision authority
 - Blockchain traceability and digital sustainability disclosure
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Journal Publications

Post-Tenure

1. **Cruz, J. (2026).** Multi-period, multi-blockchain optimization for risk-aware and sustainable supply chain networks. **European Journal of Operational Research, Forthcoming.**
2. **Cruz, J. (2025).** Optimizing emission, risk-sharing, and sustainability strategies in supply chains: An analysis of cap-and-trade, shared investment, and considering consumer expectations. **International Journal of Production Research** 63 (20), 7659-7686.
3. **Li, D., Cruz, J., Ke, K. (2025).** *Closed-loop supply chain network model with recycling, re-manufacturing, refurbishing, and corporate social responsibility.* **Annals of Operations Research** 345, 247–275.
4. **Li, D., Cruz, J. (2022).** *Multiperiod supply chain network dynamics under investment in sustainability, externality cost, and consumers' willingness to pay.* **International Journal of Production Economics**, 247, 108441.
5. **Yu, M., Cruz, J., Li, D., Masoumi, A. H. (2022).** *A multiperiod competitive supply chain framework with environmental policies and investments in sustainable operations.* **European Journal of Operational Research**, 300(1), 112–123.
6. **Woolley, T., Liu, Z., Cruz, J., Wang (2020).** *Social and environmental sustainability: An empirical analysis of supply chain profitability and the recession.* **Operations and Supply Chain Management: An International Journal**, 13(2), 176–193.
7. **Yu, M., Cruz, J., Li, D. (2019).** *The sustainable supply chain network competition with environmental tax policies.* **International Journal of Production Economics**, 217, 218–231.
8. **Lee, C. B., Cruz, J., Shankar, R. (2018).** *Corporate social responsibility issues in supply chain competition: Should greenwashing be regulated?* **Decision Sciences**, 49(6), 1088–1115. (Best paper finalist, *Decision Sciences Journal*, November 2019).
9. **Saberi, S., Cruz, J., Sarkis, J., Nagurney, A. (2018).** *A competitive multiperiod supply chain network model with freight carriers and green technology investment options.* **European Journal of Operational Research**, 266(3), 934–949.
10. **Lee, H., Nunez, M., Cruz, J. (2018).** *Sustainability and competition for limited critical resources.* **European Journal of Operational Research**, 264(3), 1130–1144.
11. **Bhattacharjee, S., Cruz, J. (2015).** *Economic sustainability of closed-loop supply chains: A holistic decision and policy analysis framework.* **Decision Support Systems**, 77, 67–86.
12. **Cruz, J. (2013).** *Mitigating global supply chain risk through corporate social responsibility.* **International Journal of Production Research**, 51(13), 3995–4010.
13. **Cruz, J. (2013).** *Modeling the relationship of globalized supply chains and corporate social responsibility.* **Journal of Cleaner Production**, 56, 73–85.

14. **Diaby, M., Cruz, J., Nsakanda, A.L. (2013).** *Shortening cycle times in multi-product capacitated production environments through quality level improvements and setup reduction.* **European Journal of Operational Research**, 228(3), 526–535.
15. **Liu, Z., Cruz, J. (2012).** *Supply chain networks with corporate financial risks and trade credits under economic uncertainty.* **International Journal of Production Economics**, 137(1), 55–67.
16. **Liu, Z., Woolley, T., Cruz, J. (2012).** *Consumer environmental awareness and competition in two-stage supply chains.* **European Journal of Operational Research**, 218(3), 602–613.
17. **Cruz, J., Liu, Z. (2012).** *Modeling and analysis of the effects of QoS and reliability on pricing, profitability, and risk management in multiperiod grid computing networks.* **Decision Support Systems**, 52(3), 562–576.

Pre-Tenure

18. **Cruz, J., Nunez, M. (2011).** *Batch-size-based rearrangement of the shop floor into mini-lines.* **International Journal of Production Research**, 49(17), 5099–5119.
19. **Diaby, M., Cruz, J., Nsakanda, A.L. (2011).** *Project crashing in the presence of general non-linear activity time reduction costs.* **International Journal of Operational Research**, 12(3), 318–332.
20. **Cruz, J., Liu, Z. (2011).** *Modeling and analysis of the multiperiod effects of social relationships on supply chain networks.* **European Journal of Operational Research**, 214(1), 39–52.
21. **Wakolbinger, T., Cruz, J. (2011).** *Supply chain disruption risk management through strategic information acquisition and sharing and risk-sharing contracts.* **International Journal of Production Research**, 49(13), 4063–4084.
22. **Cruz, J. (2009).** *The impact of corporate social responsibility in supply chain management: A multicriteria decision-making approach.* **Decision Support Systems**, 48(1), 224–236.
23. **Cruz, J., Matsypura, D. (2009).** *Supply chain networks with corporate social responsibility through integrated environmental decision-making.* **International Journal of Production Research**, 47(3), 621–648.
24. **Cruz, J., Wakolbinger, T. (2008).** *Multiperiod effects of corporate social responsibility on supply chain networks, transaction cost, emissions, and risk.* **International Journal of Production Economics**, 116(1), 61–74. (*Best Research Paper Award, 2009*).
25. **Cruz, J. (2008).** *Dynamics of supply chain networks with corporate social responsibility through integrated environmental decision-making.* **European Journal of Operational Research**, 184(3), 1005–1031.
26. **Cruz, J., Nagurney, A., Wakolbinger, T. (2006).** *Financial engineering of the integration of global supply chain networks and social networks with risk management.* **Naval Research Logistics**, 53(7), 674–696.
27. **Nagurney, A., Cruz, J., Dong, J., Zhang, D. (2005).** *Supply chain networks, electronic commerce, and supply side and demand side risk.* **European Journal of Operational Research**, 164, 120–142.

28. **Nagurney, A., Cruz, J. (2004).** *Dynamics of international financial networks with risk management.* **Quantitative Finance**, 4, 276–291.
29. **Nagurney, A., Cruz, J., Matsypura, D. (2003).** *Dynamics of global supply chain supernetworks.* **Mathematical and Computer Modelling**, 37, 963–983.
30. **Nagurney, A., Cruz, J. (2003).** *International financial networks with intermediation: Modeling, analysis, and computations.* **Computational Management Science**, 1, 31–58. (*Best Paper of the Year Award, 2004*).

Articles Under Review

1. **Cruz, J.** A multi-period supply chain equilibrium model under tariff uncertainty and CVaR-based risk aversion.
2. **Cruz, J.** A multi-period decentralized supply chain equilibrium with tier-specific sustainability constraints.
3. **Cruz, J.** Decentralized multi-tier supply chain equilibrium under financial hedging, environmental regulation, and contractual coordination.
4. **Hang, H., Shen, Y., Zhu, V., Cruz, J., Li, D. (2026).** AI-Mediated evaluative infrastructure in carbon disclosure ecosystems: A socio-technical framework for responsible sustainability governance.
5. **Cruz, J.** AI for sustainable operations and supply chains: A theory-driven multi-level framework.

Working Papers

1. Embed, don't emit: Representation learning for climate disclosure understanding using large language models (**Hang, H., Shen, Y., Zhu, V., Li, D.**).
2. Responsible retail operations with sustainability investment under duopoly competition.
3. Multi-stage stochastic optimization for financial risk management in global supply chains under compound disruptions.
4. Sustainable food supply networks under decentralized decision-making: A multi-tier, multi-period SDG-driven model (with others).
5. Artificial intelligence and supply chain governance: Human-algorithm decision authority and the governance paradox.
6. Decentralized multi-tier networks under asymmetric sustainability mandates: Equilibrium, scarcity propagation, and governance design.
7. Sustainability disclosure and competition: Credibility, demand elasticities, and investment incentives.

Book Chapters

1. **Cruz, J. (2009).** *The effects of network relationships on global supply chain vulnerability.* In *Managing Supply Chain Risk and Vulnerability*, Springer-Verlag, London, pp. 113–140.

2. **Nagurney, A., Cruz, J., Toyasaki, F. (2008).** *Statics and dynamics of global supply chain networks with environmental decision-making.* In *Pareto Optimality, Game Theory, and Equilibria*, Springer, Berlin, pp. 611–646.
3. **Nagurney, A., Cruz, J., Dong, J. (2006).** *Global supply chain networks and risk management.* In *Multi-agent Based Supply Chain Management*, Springer, pp. 103–134.

Conference Proceedings

1. **Cruz, J., Diaby, M., Nsakanda, A.L. (2008).** *A geometric programming model of the lot scheduling problem with investments in setup reductions and process improvements.* Harvard University, March 24–26.
2. **Cruz, J., Bhattacharjee, S. (2013).** *Closed-loop supply chains: A systems dynamics model for sustainable business policies.* Vienna, July 7–10.

Conference Presentations

1. Chitchat with AI: Understand the supply chain carbon disclosure of companies worldwide through the large language model (**Hang, H., Shen, Y., Zhu, V., Li, D.**). *INFORMS Annual Meeting*, Atlanta, Georgia, October 26–29, 2025.
2. **Closed-loop supply chain network model with recycling, re-manufacturing, refurbishing, and corporate social responsibility** (Li, D., and Ke, K.). *POMS 2023 International Conference*, Paris, France, July 18–20, 2023. And the *33rd Annual POMS Conference*, Orlando, FL, May 21–25, 2023.
3. **Multiperiod supply chain network dynamics under investment in sustainability, externality cost, and consumers' willingness to pay** (with Dong L.). *INFORMS Annual Conference*, Anaheim (Virtual), CA, October 24–27, 2021.
4. **A multiperiod competitive supply chain framework with environmental policies and investments in sustainable operations** (with Yu, M., Li, D., Masoumi, A.). *POMS 31st Annual Conference* (Online), April 30–May 5, 2021.
5. **The sustainable supply chain network competition with environmental tax policies** (with Yu, M., Li, D.). *INFORMS Annual Conference*, Phoenix, AZ, November 4–7, 2018.
6. **Risk sharing contracts in sustainable supply chains** (with Skukla, S.). *INFORMS Annual Conference*, Phoenix, AZ, November 4–7, 2018.
7. **A competitive multiperiod supply chain network model with freight carriers and green technology investment options.** *29th European Conference on Operational Research*, Valencia, Spain, July 8–11, 2018.
8. **Supply chain sustainability through risk-sharing contracts.** *INFORMS Annual Conference*, Houston, TX, October 22–25, 2017.
9. **A competitive multiperiod supply chain network model with freight carriers and green technology investment option.** *INFORMS Annual Conference*, Houston, TX, October 22–25, 2017.
10. **A competitive supply chain framework with environmental tax policies.** *INFORMS Annual Conference*, Nashville, TN, November 13–16, 2016.

11. **Social Responsibility Investments (S.R.I.): Financial Networks, Transaction Cost, and Risk Effects.** *INFORMS Annual Meeting*, Philadelphia, PA, November 1–4, 2015.
12. **MSBAPM Students Poster Presentation.** *Alteryx Inspire 2015: Analytic Independence*, Boston, MA, May 17–20, 2015.
13. **Economic sustainability of closed-loop supply chains: A holistic model for decision and policy analysis.** *INFORMS Annual Meeting*, San Francisco, CA, November 9–12, 2014.
14. **Corporate social responsibility and performance in the supply chain network** (with T. Anderson and Z. Liu). *INFORMS Annual Meeting*, San Francisco, CA, November 9–12, 2014.
15. **Corporate social responsibility for sustainable development in emerging markets.** *University of Memphis and University of Connecticut CIBER*, Storrs, CT, June 19–21, 2014.
16. **Corporate social responsibility, investment, and performance** (with T. Anderson and Z. Liu). *INFORMS Annual Meeting*, Minneapolis, MN, October 6–9, 2013.
17. **Ethical issues in supply chain competition: A game theoretical approach** (with B. Lee). *INFORMS Annual Meeting*, Minneapolis, MN, October 6–9, 2013.
18. **Closed-loop supply chains: A system dynamics model for analyzing sustainable business policies for a shared partner** (with S. Bhattacharjee), *18th International Symposium on Logistics: Resilient Supply Chains in an Uncertain Environment*, Vienna, Austria, July 7–10, 2013.
19. **A holistic model for analyzing sustainable business policies for shared partners in a supply chain.** *26th European Conference on Operational Research*, Rome, Italy, July 1–4, 2013.
20. **Applications of variational inequalities in supply chain management: Status quo and future directions** (with T. Wakolbinger). *26th European Conference on Operational Research*, Rome, Italy, July 1–4, 2013.
21. **Mitigating global supply chain risk through corporate social responsibility.** *INFORMS Annual Meeting*, Phoenix, AZ, October 14–17, 2012.
22. **Supply chain networks with corporate financial risks and trade credits under economic uncertainty** (with Z. Liu). *INFORMS Annual Meeting*, Phoenix, AZ, October 14–17, 2012.
23. **Supply chain networks with corporate financial risks and trade credits under economic uncertainty** (with Z. Liu). *AIMS Conference*, Orlando, FL, July 1–5, 2012.
24. **Sustainable production strategies** (with H. Lee and M. Nunez). *INFORMS Annual Meeting*, Charlotte, NC, November 13–16, 2011.
25. **Supply chains competition through corporate social responsibility** (with Z. Liu). *INFORMS Annual Meeting*, Charlotte, NC, November 13–16, 2011.
26. **Modeling and analysis of the multiperiod effects of social relationships on supply chain networks.** *11th Annual Hawaii International Conference on Business*, Honolulu, HI, May 26–30, 2011.

27. **The effects of social relationships on supply chain networks risk and transaction cost.** *INFORMS Northeast Regional Conference*, Amherst, MA, May 6–7, 2011.
28. **Consumer environmental awareness and competition in two-stage supply chains** (with Z. Liu and T. Woolley). *INFORMS Annual Meeting*, Austin, TX, November 7–10, 2010.
29. **Closed-loop supply chains: A systems dynamics model for analyzing sustainable business policies for shared partners in a chain** (with S. Bhattacharjee). *INFORMS Annual Meeting*, Austin, TX, November 7–10, 2010.
30. **Mitigating global supply chain risk through corporate social responsibility.** *INFORMS Annual Meeting*, Austin, TX, November 7–10, 2010.
31. **Closed-loop supply chains: A systems dynamics model for analyzing sustainable business policies for shared partners in a chain** (with S. Bhattacharjee and H. Singh). *24th European Conference on Operational Research*, Lisbon, Portugal, July 11–14, 2010.
32. **Mitigating global supply chain risks through corporate social responsibility.** *24th European Conference on Operational Research*, Lisbon, Portugal, July 11–14, 2010.
33. **Closed-loop supply chains: A systems dynamics model for analyzing sustainable business policies for shared partners in a chain** (with S. Bhattacharjee and H. Singh). *International Workshop on Supply Chain Models for Shared Resource Management*, Brussels, Belgium, January 21–22, 2010.
34. **Computational grid networks market design: QoS, reliability, efficiency, and risk management.** *INFORMS Annual Meeting*, San Diego, CA, October 11–14, 2009.
35. **Corporate social responsibility and globalization: A supply chain network framework.** *INFORMS Annual Meeting*, San Diego, CA, October 11–14, 2009.
36. **Information security in supply chain networks** (with M. Nunez and H. Singh). *INFORMS Annual Meeting*, San Diego, CA, October 11–14, 2009.
37. **The effects of social relationships on supply chain networks vulnerability and risk management.** *INFORMS Annual Meeting*, Washington, DC, October 12–15, 2008.
38. **Closed-loop supply chain management: A system dynamics approach** (with S. Bhattacharjee and H. Singh). *INFORMS Annual Meeting*, Washington, DC, October 12–15, 2008.
39. **Complementing in-house staffing with outsourcing under stochastic demand for financial service operations** (with S. Nair and P. Basu). *INFORMS Annual Meeting*, Washington, DC, October 12–15, 2008.
40. **Corporate social responsibility for sustainable development in Africa.** *Rockefeller Foundation Bellagio Center*, Lake Como, Italy, May 5–9, 2008.
41. **A geometric programming model of the lot-scheduling problem with investments in setup reductions and process improvements** (with M. Diaby and A.L. Nsakanda). *WSEAS American Conference on Applied Mathematics*, Harvard University, Cambridge, MA, March 24–26, 2008.

42. **Supply chain networks with corporate social responsibility through integrated environmental decision-making** (with D. Matsypura). The 5th Conference of Supply Chain Management and Information Systems, Melbourne, Australia, December 9–12, 2007.
43. **Global supply chain networks sustainability: Corporate social responsibility and risk management.** *INFORMS Annual Meeting*, Seattle, WA, November 4–7, 2007.
44. **Batch-size-based line segmentation** (with M. Nunez). *INFORMS Annual Meeting*, Seattle, WA, November 4–7, 2007.
45. **Multiperiod effects of corporate social responsibility on supply chain networks, transaction cost, emissions, and risk** (with T. Wakolbinger). *International Conference on Complex Systems*, Boston, MA, October 28–November 2, 2007.
46. **Dynamics of supply chain networks with corporate social responsibility through integrated environmental decision-making.** *INFORMS International*, Puerto Rico, July 8–11, 2007.
47. **Multiple period modeling of computational grid networks with budget and capacity constraints** (with D. Matsypura). *EURO XXII*, Prague, July 8–11, 2007.
48. **Dynamics of international financial networks with variable weights multicriteria decision-making.** *INFORMS Annual Meeting*, Pittsburgh, PA, November 5–8, 2006.
49. **Dynamics of supply chain networks with corporate social responsibility through integrated environmental decision-making.** *INFORMS Annual Meeting*, San Francisco, CA, November 13–16, 2005.
50. **Financial engineering of the integration of global supply chain networks and social networks with risk management** (with A. Nagurney and T. Wakolbinger). *Sixteenth Annual Conference of POMS*, Chicago, IL, April 29–May 2, 2005.
51. **The co-evolution and emergence of integrated international financial networks and social networks: Theory, analysis, and computations** (with A. Nagurney and T. Wakolbinger). *First POMS College Conference*, Columbia University, December 3–4, 2004.
52. **Statics and dynamics of global supply chain networks with environmental decision-making** (with A. Nagurney and F. Toyasaki). *CORS/INFORMS International Meeting*, Banff, Alberta, Canada, May 16–19, 2004.
53. **Dynamics of global supply chain supernetworks** (with A. Nagurney and D. Matsypura). *Third Meeting of STELLA*, Focus Group 1, Washington, DC, January 16, 2004.
54. **Dynamics of global supply chain supernetworks** (with A. Nagurney and D. Matsypura). *Nectar Conference*, Umea, Sweden, June 13–15, 2003.
55. **Dynamics of international financial networks with risk management** (with A. Nagurney). *INFORMS Annual Meeting*, Atlanta, GA, October 19–22, 2003.

56. **International financial networks with intermediation and electronic transactions** (with A. Nagurney). *Modeling, Optimization and Risk Management in Finance*, University of Florida, March 5–7, 2003.
57. **Dynamics of global supply chain supernetworks** (with A. Nagurney and D. Matsypura). *Eighth INFORMS Computing Society Conference*, Chandler, AZ, January 8–10, 2003.
58. **International financial networks with intermediation: Modeling, analysis, and computations** (with A. Nagurney). *Eighth INFORMS Computing Society Conference*, Chandler, AZ, January 8–10, 2003.
59. **Supernetworks, the environment, and sustainability** (with A. Nagurney, F. Toyasaki, and D. Matsypura). *Managing Massachusetts Environment for the New Millennium*, Worcester, MA, November 15, 2002.

Workshop/Seminar Presentations

1. **Panel Organizer and Panelist**, "*Innovation in M.B.A. Concentrations*". 29th Annual PMBA/OMBA National Conference, Virtually hosted by University of Connecticut, October 5–6, 2021.
2. **Economic sustainability of closed-loop supply chains: A holistic decision and policy analysis framework**. OPIM Department Seminar, University of Connecticut, April 19, 2019.
3. **Panelist**, *Alumni Reunion*. Isenberg School of Management, University of Massachusetts, Amherst, April 5, 2019.
4. **Panelist**, *2015 Information Systems Workshop on Teaching: Bringing Research & Innovation to the Classroom*. Goizueta Business School, Emory University, Atlanta, GA, May 21–22, 2015.
5. **Keynote/Plenary Address**, "*The myths and facts of how to get a tenure-track academic job and how to get tenure*". Isenberg School of Management, University of Massachusetts, Amherst, December 7, 2012.
6. **Shortening cycle times in multi-product capacitated production environments through quality level improvements and setup reduction** (with M. Diaby and A.L. Nsakanda). OPIM Seminar Series, University of Connecticut, October 2006.
7. **The academic job search: Pre-interview, the interview, and beyond**. UMASS Amherst Operations Research/Management Science Seminar Series, February 4, 2005.
8. **MKIDS Mini-Workshop**. Supernetworks Laboratory for Computation and Visualization, Isenberg School of Management, University of Massachusetts, Amherst, September 10, 2003.

Grants

- **Multiperiod sustainable chain network analysis with short and long-term investment options**. Dean's Fund Grant, \$15,000 (May 2018 – January 2019)
- **A competitive supply chain framework with environmental tax policies**. Dean's Fund Grant, \$15,000 (May 2017 – January 2018)

- **The effects of global supply chain barriers to trade between the United States (U.S.) and European Union (E.U.).** Dean's Globalization Grant, \$15,000 (May 2016 – January 2017)
- **Social responsibility investments: Financial networks, transaction cost, and risk effects.** Northeast Utility Chair Grant, \$11,000 (May 2015 – January 2016)
- **Economic sustainability of closed-loop supply chains: A holistic decision and policy analysis framework (with S. Bhattacharjee).** The Centers for International Business Education and Research (CIBER), \$3,000 (January 2015)
- **Agile project management.** Dean's Course Development Grant, \$11,000 (May 2014 – January 2015)
- **Faculty Development in International Business (FDIB) Grant, Green Business Australia.** The Centers for International Business Education and Research (CIBER), \$4,000 (January 2014)
- **Decision support framework for global operations sustainability.** Dean's Globalization Grant, \$10,000 (May 2013 – January 2014)
- **Mitigating global supply chain risk through corporate social responsibility** UCONN School of Business Dean's Fund, Research Grant, \$6,600 (May 2012 – June 2013)
- **Faculty Development in International Business (FDIB) Grant, Green Business Australia.** The Centers for International Business Education and Research (CIBER), \$4,000 (May 2012)
- **Supply chains competition through corporate social responsibility.** Connecticut Information Technology Institute (CITI), Research Grant, \$10,000 (May 2011 – June 2012)
- **Globalization and sustainability in operations.** The Centers for International Business Education and Research (CIBER), Research Grant, \$3,000 (September 2010 – September 2011)
- **Computational grid networks market design: QoS, reliability, and risk management.** CITI Research Grant, \$10,000 (May 2009 – June 2010)
- **Corporate social responsibility and globalization.** CIBER Research Grant, \$2,500 (July 2009 – November 2009)
- **Project cost and risk management course.** CITI Course Development Grant, \$10,000 (May 2008 – January 2009)
- **Summer Research Grant.** University of Connecticut, \$15,000 (2007 and 2008)

Student Advisor

- **Honors Thesis Advisor**
 - *Mawra Malik (2014–2015): Project Management: Do Information Technology Project Managers Need Technical Skills to Be Effective?*
- **Visiting Scholar Advisor**
 - *Monika Harach, Warsaw School of Economics (October 1, 2015 – November 1, 2017).*

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- **Master of Science in Business Analytics and Project Management (MSBAPM) – Academic Advisor**
 - Advised over 1,000 students across the program's duration.
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Teaching Experience

- **Undergraduate Teaching:**
 - **UConn:** Operations Management
 - **UMass, Amherst (Isenberg School of Management)**
 - Management Science Applications
 - Introduction to Operations Management
 - **UMass, Mathematics & Statistics Department (September 1998 – December 2001):**
 - Introduction to Statistics, Pre-Calculus, Calculus I, Honors Calculus I, Calculus II
 - **Graduate Teaching (UConn):**
 - Managerial Statistics
 - Operations Management
 - Online Managerial Statistics and Spreadsheet Modeling
 - Project Risk and Cost Management
 - Advanced Project Management
 - Advanced Business Analytics and Project Management (Capstone Course)
 - Statistics in Business Analytics with R
 - Predictive Modeling
 - Data Mining
 - Survival Analytics with S.A.S.
 - Sustainable and Responsible Supply Chain Management
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Professional Services -Research Community / Editorial Activities

- **Special Issue Editor**, Sustainability 2025 “Balancing Efficiency, Sustainability, and Economic Development in Operations Management”
- **Associate Editor**, *Decision Support Systems* (2020-2022).
- **Guest Editor:**
 - Special Issue of *Journal of Cleaner Production* (December 2013–January 2015):
 - Selected articles for publication.
 - Maintained editorial independence and ethical standards.
 - Invited peer reviewers.
 - Ensured academic scope and scientific quality.
- **Ad-Hoc Reviewer:**
 - *Management Science*, *INFORMS Journal on Computing*, *Operations Research*, *Production and Operations Management*, *European Journal of Operational Research*, *Decision Support Systems*, *Journal of Operations*

Management, Naval Research Logistics, Optimization Letters, International Journal of Production Research, International Journal of Production Economics, International Transactions in Operational Research, Journal of Cleaner Production, Transportation Research Part E, and Omega.

- **Book Reviewer:**
 - Reviewed proposals for publishers: *John Wiley and Sons* (1 review), *Edward Elgar Publishing* (2 reviews), and *Oxford University Press* (1 review).
- **Professional Memberships:**
 - Member of: *Institute for Operations Research and the Management Sciences (INFORMS)* (Since 2001).
 - *Production and Operations Management Society (POMS)* (Since 2001).
- **Conference Leadership:**
 - **Track Chair:**
 - *Supply Chain Management Track*, Eastern Academy of Management Conference, Brazil (2009).
 - **Session Chair:**
 - Multiple *INFORMS Annual Conferences* (2005–2018).
 - *26th European Conference on Operational Research*, Rome, Italy (2013).
 - *POMS Annual Conference*, Chicago, IL (2005).

Department-Level Service

- **Chair:**
 - Department Master's Program Curriculum Committee (2016–2019).
 - Department Master's Ethics/Conduct Code (Plagiarism) Committee (2016–2019).
 - OPIM Faculty In-Residence Hire Committee (2016–2019).
 - MSBAPM Promotion Committee (2011–2019).
- **Committee Member:**
 - Proposal and Development of *Center for Advancement of Business Analytics (CABA)* (2016–2018).
 - OPIM Faculty Hire Committee (2015–2020): Participated in hiring nine new Assistant Professors.
 - MSBAPM Partnering and Outreach Committee (2011–2012).
 - Departmental Master's Program Committee (2009–2019).
 - Management and Engineering for Manufacturing (MEM) Committee (2008–2010): Contributed to MEM Self-Study Report for ABET evaluation.
- **Administrator:**
 - MSBAPM Open House, Promotion, and Events Committees (2012–2019).
 - MSBAPM Admission Committee (2012–2021).
 - MSBAPM Partnering and Outreach Committee: Coordinated outreach with IBM, Travelers, UnitedHealth Care, Webster Bank, City of Hartford, Cigna, GE, Oracle, and others (2012–2019).

- **Course Development:**
 - OPIM 5668: *Project Risk and Cost Management*.
 - OPIM 5507: *Advanced Project Management Topics: Agile*.
 - OPIM 5603: Online Statistics in Business Analytics
 - OPIM 5114: Sustainable Supply Chain Management
 - **Ph.D. Activities:**
 - Member of the Ph.D. Qualifying Paper Committee (2010–2011).
 - Member of the Ph.D. Recruitment Committee (2006–2008, 2011–2012).
 - **Graduate Student Advisor:**
 - Advised over 2,000 students in the *Master of Science in Business Analytics and Project Management (MSBAPM)* program (2011–2019).
 - **Undergraduate Student Advisor:**
 - Advised over 100 students in *Business and Technology* at Waterbury and Greater Hartford Campuses (2004–2010).
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School of Business-Level Service

- **Committee Memberships:**
 - PMBA and OMBA Redesign Committee (2016–Present): Redesigned PMBA curriculum.
 - School Graduate AACSB Accreditation Assessment Committee (2014–Present):
 - Developed MSBAPM Assessment Matrix.
 - Surveyed students for continuous improvement.
 - Participated in AACSB Peer Review Team Visits (2016).
 - Strategic Planning Committee (2013–2016).
 - Global Initiatives Committee (2009–2010).
 - UConn & Connecticut Community College Business Transfer Pathway Steering Committee (2006–2012).
 - Faculty Qualification Policy Development Committee (2008–2009).
 - Regional Campus Committee (Since 2006).
 - **Commencement & Convocation:**
 - Attended Graduate Commencement Ceremonies annually (2005–present).
 - Contributed to Fall Convocation (2007, 2016).
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University-Level Service

- **Committee Member:**
 - Graduate Faculty Council
 - *AAUP Committee on Equity, Inclusion, and Diversity* (2012).
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