

Jose M. Cruz

Associate Professor, Operations and Information Management

Associate Dean for Graduate Programs

School of Business

University of Connecticut

Storrs, CT 06269-1041

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Academic Leadership and Administration

**Associate Dean for Graduate Programs, School of Business, University of Connecticut
(August 23, 2019 – Present)**

- Contributed to the launch of:
 - **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 Programs (Undergraduate to Graduate)**
 - **The School Global University Pathway Partnerships**
- Directed the School's successful **2021 AACSB Reaccreditation**.
- Provost's University Wide Dean Review Committee (2025)

Academic Leadership and Roles

Academic Director, Master of Science in Business Analytics and Project Management (MSBAPM)

School of Business, University of Connecticut (June 2012 – August 23, 2019)

- Contributed as a key member of the team that developed and launched the MSBAPM program.

Associate Director, Outreach, Center for Advancement of Business Analytics (CABA)

School of Business, University of Connecticut (August 2017 – August 2018)

Education

Ph.D. in Business Administration (Concentration: Management Science)

University of Massachusetts, Amherst (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 199)

Professional Development

- **July–December 2021**: Online MBA course development
 - **January 2018**: *Digital Marketing: Integrated Marketing for Higher Education Enrollment*
 - **October 2017**: *Leadership in Higher Education*
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Work Experience

- **Program Director, Master of Science in Business Analytics and Project Management (MSBAPM)**
School of Business, University of Connecticut (June 2012 – August 23, 2019)
 - **Tenured Associate Professor**
School of Business, University of Connecticut (August 2012 – Present)
 - **Assistant Professor**
School of Business, University of Connecticut (August 2004 – August 2012)
 - **Research and Teaching Assistant**
University of Massachusetts, Amherst (1996 – 2004)
 - **Database Administrator**
University of Massachusetts, Amherst (1996 – 2001)
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Research Interests

- Complex decision-making in financial, supply chain, grid computing, and social networks
 - Multi-objective optimization, process modeling, data modeling, and system dynamics
 - Corporate social responsibility and closed-loop supply chain management
 - Risk management and project management
 - Sustainability
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Academic Honors

Research Awards and Recognition

- **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).

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)

Journal Publications

Post-Tenure

1. **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. **Accepted for publication, International Journal of Production Research.**
2. **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.
3. **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.
4. **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.
5. **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.
6. **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.
7. **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*).
8. **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.
9. **Lee, H., Nunez, M., Cruz, J. (2018).** *Sustainability and competition for limited critical resources.* **European Journal of Operational Research**, 264(3), 1130–1144.
10. **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.
11. **Cruz, J. (2013).** *Mitigating global supply chain risk through corporate social responsibility.* **International Journal of Production Research**, 51(13), 3995–4010.

12. **Cruz, J. (2013).** *Modeling the relationship of globalized supply chains and corporate social responsibility.* **Journal of Cleaner Production**, 56, 73–85.
13. **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.
14. **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.
15. **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.
16. **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

17. **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.
18. **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.
19. **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.
20. **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.
21. **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.
22. **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.
23. **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).
24. **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.
25. **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.

26. 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.
27. Nagurney, A., Cruz, J. (2004). *Dynamics of international financial networks with risk management*. **Quantitative Finance**, 4, 276–291.
28. Nagurney, A., Cruz, J., Matsypura, D. (2003). *Dynamics of global supply chain supernetworks*. **Mathematical and Computer Modelling**, 37, 963–983.
29. 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).

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.

Working & Under Review Papers

1. *Global supply chain network optimization under tariff and risk uncertainty: A Multiperiod decentralized profit model*.
2. *A game-theoretical model for supply chain sustainability: Incorporating manufacturer, retailer, and trade credit dynamics*.
3. *Artificial intelligence for sustainable operations: Opportunities and challenges in supply chain and production systems*.

4. Blockchain-enhanced traceability for sustainable and risk-aware supply chain network optimization.
5. *Integrating ESG considerations and risk management in supply chains.*
6. *Financial risks in global supply chains under uncertainty.*
7. *Competition in supply chains through corporate social responsibility.*

Conference Presentations

1. **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.
 - *33rd Annual POMS Conference*, Orlando, FL, May 21–25, 2023.
2. **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.
3. **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.
4. **The sustainable supply chain network competition with environmental tax policies** (with Yu, M., Li, D.)
 - *INFORMS Annual Conference*, Phoenix, AZ, November 4–7, 2018.
5. **Risk sharing contracts in sustainable supply chains** (with Skukla, S.)
 - *INFORMS Annual Conference*, Phoenix, AZ, November 4–7, 2018.
6. **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.
7. **Supply chain sustainability through risk-sharing contracts**
 - *INFORMS Annual Conference*, Houston, TX, October 22–25, 2017.
8. **A competitive multiperiod supply chain network model with freight carriers and green technology investment option**
 - *INFORMS Annual Conference*, Houston, TX, October 22–25, 2017.
9. **A competitive supply chain framework with environmental tax policies**
 - *INFORMS Annual Conference*, Nashville, TN, November 13–16, 2016.
10. **Social Responsibility Investments (S.R.I.): Financial Networks, Transaction Cost, and Risk Effects**
 - *INFORMS Annual Meeting*, Philadelphia, PA, November 1–4, 2015.
11. **MSBAPM Students Poster Presentation**
 - *Alteryx Inspire 2015: Analytic Independence*, Boston, MA, May 17–20, 2015.
12. **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.
- 13. **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.
- 14. **Corporate social responsibility for sustainable development in emerging markets**
 - *University of Memphis and University of Connecticut CIBER*, Storrs, CT, June 19–21, 2014.
- 15. **Corporate social responsibility, investment, and performance** (with T. Anderson and Z. Liu)
 - *INFORMS Annual Meeting*, Minneapolis, MN, October 6–9, 2013.
- 16. **Ethical issues in supply chain competition: A game theoretical approach** (with B. Lee)
 - *INFORMS Annual Meeting*, Minneapolis, MN, October 6–9, 2013.
- 17. **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.
- 18. **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.
- 19. **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.
- 20. **Mitigating global supply chain risk through corporate social responsibility**
 - *INFORMS Annual Meeting*, Phoenix, AZ, October 14–17, 2012.
- 21. **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.
- 22. **Supply chain networks with corporate financial risks and trade credits under economic uncertainty** (with Z. Liu)
 - *AIMS Conference*, Orlando, FL, July 1–5, 2012.
- 23. **Sustainable production strategies** (with H. Lee and M. Nunez)
 - *INFORMS Annual Meeting*, Charlotte, NC, November 13–16, 2011.
- 24. **Supply chains competition through corporate social responsibility** (with Z. Liu)
 - *INFORMS Annual Meeting*, Charlotte, NC, November 13–16, 2011.
- 25. **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.
- 26. **The effects of social relationships on supply chain networks risk and transaction cost**
 - *INFORMS Northeast Regional Conference*, Amherst, MA, May 6–7, 2011.

27. **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.
28. **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.
29. **Mitigating global supply chain risk through corporate social responsibility**
 - *INFORMS Annual Meeting*, Austin, TX, November 7–10, 2010.
30. **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.
31. **Mitigating global supply chain risks through corporate social responsibility**
 - *24th European Conference on Operational Research*, Lisbon, Portugal, July 11–14, 2010.
32. **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.
33. **Computational grid networks market design: QoS, reliability, efficiency, and risk management**
 - *INFORMS Annual Meeting*, San Diego, CA, October 11–14, 2009.
34. **Corporate social responsibility and globalization: A supply chain network framework**
 - *INFORMS Annual Meeting*, San Diego, CA, October 11–14, 2009.
35. **Information security in supply chain networks** (with M. Nunez and H. Singh)
 - *INFORMS Annual Meeting*, San Diego, CA, October 11–14, 2009.
36. **The effects of social relationships on supply chain networks vulnerability and risk management**
 - *INFORMS Annual Meeting*, Washington, DC, October 12–15, 2008.
37. **Closed-loop supply chain management: A system dynamics approach** (with S. Bhattacharjee and H. Singh)
 - *INFORMS Annual Meeting*, Washington, DC, October 12–15, 2008.
38. **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.
39. **Corporate social responsibility for sustainable development in Africa**
 - *Rockefeller Foundation Bellagio Center*, Lake Como, Italy, May 5–9, 2008.
40. **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.
- 41. **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.
- 42. **Global supply chain networks sustainability: Corporate social responsibility and risk management**
 - *INFORMS Annual Meeting*, Seattle, WA, November 4–7, 2007.
- 43. **Batch-size-based line segmentation** (with M. Nunez)
 - *INFORMS Annual Meeting*, Seattle, WA, November 4–7, 2007.
- 44. **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.
- 45. **Dynamics of supply chain networks with corporate social responsibility through integrated environmental decision-making**
 - *INFORMS International*, Puerto Rico, July 8–11, 2007.
- 46. **Multiple period modeling of computational grid networks with budget and capacity constraints** (with D. Matsypura)
 - *EURO XXII*, Prague, July 8–11, 2007.
- 47. **Dynamics of international financial networks with variable weights multicriteria decision-making**
 - *INFORMS Annual Meeting*, Pittsburgh, PA, November 5–8, 2006.
- 48. **Dynamics of supply chain networks with corporate social responsibility through integrated environmental decision-making**
 - *INFORMS Annual Meeting*, San Francisco, CA, November 13–16, 2005.
- 49. **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.
- 50. **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.
- 51. **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.
- 52. **Dynamics of global supply chain supernetworks** (with A. Nagurney and D. Matsypura)
 - *Third Meeting of STELLA*, Focus Group 1, Washington, DC, January 16, 2004.

53. **Dynamics of global supply chain supernetworks** (with A. Nagurney and D. Matsypura)
 - *Nectar Conference*, Umea, Sweden, June 13–15, 2003.
54. **Dynamics of international financial networks with risk management** (with A. Nagurney)
 - *INFORMS Annual Meeting*, Atlanta, GA, October 19–22, 2003.
55. **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.
56. **Dynamics of global supply chain supernetworks** (with A. Nagurney and D. Matsypura)
 - *Eighth INFORMS Computing Society Conference*, Chandler, AZ, January 8–10, 2003.
57. **International financial networks with intermediation: Modeling, analysis, and computations** (with A. Nagurney)
 - *Eighth INFORMS Computing Society Conference*, Chandler, AZ, January 8–10, 2003.
58. **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.

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

Teaching Experience

University of Connecticut

Undergraduate Courses:

- Operations Management

Graduate Teaching:

MBA Programs (EMBA, FMBA, PMBA, OMBA):

- Managerial Statistics
- Operations Management
- Online Managerial Statistics and Spreadsheet Modeling

MSBAPM Program:

- Project Risk and Cost Management
- Advanced Project Management
- Advanced Business Analytics and Project Management (Capstone Course)
- Statistics in Business Analytics
- Predictive Modeling
- Data Mining
- Survival Analytics with S.A.S.

University of Massachusetts, Amherst (Isenberg School of Management)

- Management Science Applications
- Introduction to Operations Management

Mathematics & Statistics Department (September 1998 – December 2001):

- Introduction to Statistics
- Pre-Calculus
- Calculus I
- Honors Calculus I
- Calculus II

Professional Services

Service to the Research Community / Editorial Activities

- **Associate Editor:**
 - *Decision Support Systems* (Since 2020).
- **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 Publisher* (2 reviews).
 - *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:**
 - Developed OPIM 5668: *Project Risk and Cost Management*.
 - Developed OPIM 5507: *Advanced Project Management Topics: Agile*.
- **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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