

## **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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### **Leadership Responsibilities**

**Associate Dean for Graduate Programs**, School of Business, University of Connecticut, 8/23/2019-Present

**Academic Director**, Master of Science in Business Analytics and Project Management (MSBAPM), School of Business, University of Connecticut, 6/2012 - 8/23/2019.

- Oversee the administration of the program, from budgeting, admission, daily operation, curriculum, outreach, student placement, and accreditation.
- Appointed and served on a faculty committee to develop program curriculum, course content and engaged business and alumni community.
- I have developed two courses for the program.

**Associate Director, Outreach**, Center for Advancement of Business Analytics (CABA), School of Business, University of Connecticut, 8/2017-8/2018.

### **Education**

Ph.D., Business Administration with a concentration in 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

M.B.A., Finance, University of Massachusetts, May 2001.

M.S., Applied Mathematics, University of Massachusetts, May 2000.

B.S., Computer Systems Engineering, University of Massachusetts, May 1995.

B.S., Mathematics, University of Massachusetts, December 1995.

## Professional Development

- Jan 2018: Digital Marketing: Integrated marketing for higher education enrollment
- Oct 2017: Leadership in higher education

## Work Experience

- Program Director, Master of Science in Business Analytics and Project Management, School of Business, University of Connecticut, 6/2012-8/23/2019.
- Tenured Associate Professor, School of Business, University of Connecticut, 8/2012 –Present
- Assistant Professor, School of Business, University of Connecticut, 8/2004–8/2012
- Research and Teaching Assistant, University of Massachusetts, 1996–2004
- Database Administrator, University of Massachusetts, Amherst, 1996-2001

## Research Interests

- Complex decision-making on financial, supply chain, grid computing, and social networks
- Multi-objective optimization
- Corporate social responsibility
- Closed-loop supply chain management
- Risk management
- Process modeling and system dynamics
- Project management
- Data Mining

## Academic Honors

- **Research Awards and Recognition**
  - *Ackerman Scholarship*, 2014-2016, 2012-2014, recognizes significant and continuing all around scholarly productivity among the faculty of the School of Business, University of Connecticut.
  - *Best Research Paper Award 2009*. The University of Memphis, Fogelman College of Business and Economics. Multiperiod effects of corporate social responsibility on supply chain networks, transaction

- cost, emissions, and risk (with T. Wakolbinger) (2008), *International Journal of Production Economics*, 116(1), 61-74.
- ***One of 19 invited speakers/participants***, Humanitarian Logistics: Networks for Africa, Rockefeller Foundation under its Bellagio Center programs, Italy, May 4-9, 2008.
- ***INFORMS Young Researcher Roundtable Selected Participant***, April 30-May 2, 2006.
- ***Best Paper of the Year (2004) Award***: Computational Management Science Journal “International financial networks with intermediation: Modeling, analysis, and computations,” with A. Nagurney.
- ***INFORMS 2003 Doctoral Consortium Selected Participant***. Atlanta, Georgia, October 17-18.
- **Teaching Awards and Recognition**
  - ***Fall 2015 Provost Teaching Excellence Recognition***. The University of Connecticut.
  - ***Spring 2015 Provost Teaching Excellence Recognition***. The University of Connecticut.
  - ***PMBA Teacher of Year (OPIM) 2014-2015***. Award voted on by part-time MBA students.
  - ***Fall 2014 Provost Teaching Excellence Recognition***. The University of Connecticut.
  - ***Graduate Teaching Award 2012-2013***. Awarded to the most outstanding teacher in graduate education in the School of Business, University of Connecticut.
  - ***Nominated for the 2012 Robert Foster Cherry Award for Great Teaching***. The Robert Foster Cherry Award for Great Teaching honors outstanding professors in the English-speaking world who are distinguished for their ability to communicate with classroom teachers.
  - ***Undergraduate Teaching Award 2010-2011***. Awarded to the most outstanding teacher in undergraduate education in the School of Business, University of Connecticut.
  - ***Nominated for Distinguished Teaching Award 2003-2004***. The University of Massachusetts at Amherst.
- **Service Awards and Recognition**
  - ***2019 UConn-AAUP Excellence Award: Service Excellence***. The University of Connecticut.
  - ***2017 European Journal of Operational Research Award***. Outstanding Contribution in Reviewing.

- *2015-2016 Distinguished Service Award.* Awarded outstanding service contribution by a faculty in the School of Business, University of Connecticut.

## Grants

- Multiperiod sustainable chain network analysis with short and long terms 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 chains barriers to trade between United States (US) and European Union (EU). 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 SB Dean's Fund, Research Grant, \$6600, 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.
- The University of Connecticut Summer Research Grant, \$15,000, 2007 and 2008.

## Journal Publications

### Post-tenure:

1. 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.
2. Yu, M., **Cruz, J.**, Li, M., 2019. The sustainable supply chain network competition with environmental tax policies. *International Journal of Production Economics* 217, 218—231.
3. 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.**
4. Saberi, S., **Cruz, J.**, Sarkis, J., Nagurney, A., 2018. A competitive multiperiod supply chain network model with freight carriers and green technology investment option. *European Journal of Operational Research* 266 (3), 934-94.
5. Lee, H., Nunez, M., **Cruz, J.**, 2018. Sustainability and competition for limited critical resources. *European Journal of Operational Research* 264 (3), 1130-114.
6. 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.
7. **Cruz, J.**, 2013. Mitigating global supply chain risk through corporate social responsibility. *International Journal of Production Research*, 51(13), 3995–4010.
8. **Cruz, J.**, 2013. Modeling the relationship of globalized supply chains and corporate social responsibility. *Journal of Cleaner Production*, 56, 73-85.

9. 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.
10. 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.
11. 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.
12. **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:**

13. **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.
14. 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.
15. **Cruz, J.**, Liu, Z., 2011. Modeling and analysis of the multiperiod effects of social relationship on supply chain networks. *European Journal of Operational Research* 214 (1), 39-52.
16. 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.
17. **Cruz, J.**, 2009. The impact of corporate social responsibility in supply chain management: Multicriteria decision-making approach. *Decision Support Systems* 48 (1), 224-236.
18. **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.

19. **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. **The University of Memphis, Fogelman College of Business and Economics Best Research Paper Award 2009.**
20. **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.
21. **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.
22. 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.
23. Nagurney, A., **Cruz, J.**, 2004. Dynamics of international financial networks with risk management. *Quantitative Finance* 4, 276-291.
24. Nagurney, A., **Cruz, J.**, Matsypura, D., 2003. Dynamics of global supply chain supernetworks. *Mathematical and Computer Modelling* 37, 963-983.
25. Nagurney, A., **Cruz, J.**, 2003. International financial networks with intermediation: Modeling, analysis, and computations. *Computational Management Science* 1, 31-58. **Computational Management Science Journal Best Paper of the Year (2004) Award.**
26. Nagurney, A., Ke, K., **Cruz, J.**, Hancock, K., Southworth, F., 2002. Dynamics of supply chains: A multilevel (logistical/informational/financial) network perspective. *Environment & Planning B* 29, 795-818.

## Book Chapters

1. **Cruz, J.**, 2009. The effects of network relationships on global supply chain vulnerability, in *Managing Supply Chain Risk and Vulnerability: Tools and Methods for Supply Chain Decision Makers*, T. Wu, and J. Blackhurst, editors, Springer-Verlag, London, 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, A. Chinchuluun, A. Migdalas, P. M. Pardalos, and L. Pitsoulis, editors, Springer, Berlin, Germany, 611-646.
3. Nagurney, A., **Cruz, J.**, Wakolbinger, T., 2007. The co-evolution and emergence of integrated international financial networks and social networks: Theory, analysis, and computations, in Globalization and Regional Economic Modeling, R. J. Cooper, K. P. Donaghy, and G. J. D. Hewings, editors, Springer, Berlin, Germany, 183-226.
4. Nagurney, A., **Cruz, J.**, Dong, J. 2006. Global supply chain networks and risk management: A multi-agent framework, in Multi-agent Based Supply Chain Management, B. Chaib-Draa and J. Muller, editors, Springer, New York, 103-134.
5. Nagurney, A., **Cruz, J.**, 2003. International financial networks with intermediation and electronic transactions, in Financial and Economic Networks, A. Nagurney, editor, Edward Elgar Publishing, Cheltenham, England, 135-167.

## 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, *Proceedings of the WSEAS American Conference on Applied Mathematics*, Harvard University, Cambridge, MA, March 24-26.
2. **Cruz, J.**, Bhattacharjee, S., 2013. Closed loop supply Chains: A systems dynamics model for analyzing Sustainable business policies for shared partners. Proceedings of the *18th International Symposium on Logistics*, Vienna, Austria 7-10 July 2013.

## Papers under Review

1. **Cruz, J.**, 2020. Supply chain network sustainability: An integrative multiperiod framework with sustainable investments under externality cost and consumers' willingness to pay constraints. Under revision.
2. Yu, M., **Cruz, J.**, Li, M., Masoumi, A. H. 2020. A Multiperiod competitive supply chain framework with environmental policies and investments in sustainable operations. Under second revision.



## Working Papers

1. Supply chain environmental sustainability through risk-sharing contracts (*with Shukla, S.*).
2. Social responsibility investments: Financial networks, transaction cost, and risk effects.
3. The effects of global supply chains barriers to trade between the United States (US) and European Union (EU).
4. Corporate social responsibility and supply chain coordination: A real options analysis for risk management.
5. Supply chain relationship and risk management: A network optimization and an empirical centrality analysis.
6. Global financial supply chain management with corporate financial risks and trade credits under exchange rates uncertainty.
7. Supply chains competition through corporate social responsibility: A game theoretical framework (*with Liu, Z.*)
8. Supply chain relationship dynamics: Efficiency and risk.

## Conference Presentations

1. The sustainable supply chain network competition with environmental tax Policies (*with Yu, M., Li, D.*). INFORMS Annual Conference, Phoenix, Arizona, November 4-7, 2018.
2. Risk sharing contracts in sustainable supply chains (*with Skukla, S.*). INFORMS Annual Conference, Phoenix, Arizona, November 4-7, 2018.
3. A competitive multiperiod supply chain network model with freight carriers and green technology investment option. 29<sup>th</sup> European Conference on Operational Research, Valencia, Spain, July 8-11, 2018.
4. Supply chain sustainability through risk-sharing contracts. INFORMS Annual Conference, Houston, Texas, October 22-25, 2017.

5. A competitive multiperiod supply chain network model with freight carriers and green technology investment option. INFORMS Annual Conference, Houston, Texas, October 22-25, 2017.
6. A competitive supply chain framework with environmental tax policies. INFORMS Annual Conference, Nashville, TN, November 13-16, 2016.
7. Social Responsibility Investments (SRI): Financial Networks, Transaction Cost, and Risk Effects, INFORMS Annual Meeting, Philadelphia, PA, November 1-4, 2015.
8. Cruz, Jose M., MSBAPM Students Poster Presentation, Alteryx Inspire 2015: Analytic Independence, Boston, MA, May 17-20, 2015.
9. 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.
10. 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.
11. Corporate social responsibility for sustainable development in emerging markets", University of Memphis and University of Connecticut CIBER, Storrs, Connecticut, June 19-21, 2014.
12. Corporate social responsibility, investment, and performance (with T. Anderson and Z. Liu), INFORMS Annual Meeting, Minneapolis, Minnesota, October 6-9, 2013.
13. Ethical Issues in supply chain competition: A game theoretical approach (with B. Lee), INFORMS Annual Meeting, Minneapolis, Minnesota, October 6-9, 2013.
14. 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.

15. 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.
16. Applications of variational inequalities in supply chain management. Status quo and future directions (with (with T. Wakolbinger), 26th European Conference on Operational Research, Rome, Italy, July 1-4, 2013.
17. Mitigating global supply chain risk through corporate social responsibility, INFORMS Annual Meeting, Phoenix, Arizona, October 14-17, 2012.
18. Supply chain networks with corporate financial risks and trade credits under economic uncertainty (with Z. Liu), INFORMS Annual Meeting, Phoenix, Arizona, October 14-17, 2012.
19. Supply chain networks with corporate financial risks and trade credits under economic uncertainty (with Z. Liu), AIMS Conference, Orlando, Florida, July 1-5, 2012.
20. Sustainable Production Strategies (Hsiao-Hui Lee and M. Nunez), INFORMS Annual Meeting, Charlotte, North Carolina, November 13-16, 2011.
21. Supply Chains Competition through Corporate Social Responsibility (CSR) (with Z. Liu), INFORMS Annual Meeting, Charlotte, North Carolina, November 13-16, 2011.
22. Modeling and analysis of the multiperiod effects of social relationship on supply chain networks, 11th Annual Hawaii International Conference on Business, Honolulu, Hawaii, May 26-30, 2011.
23. The effects of social relationship on supply chain networks risk and transaction cost, INFORMS Northeast Regional Conference, Amherst, Massachusetts, May 6-7, 2011.
24. Consumer environmental awareness and competition in two-stage supply chains (with Z. Liu and T. Woolley), INFORMS Annual Meeting, Austin, Texas, November 7-10, 2010.
25. Closed-loop supply chains: A systems dynamics model for analyzing sustainable business policies for shared partners in a chain (with S. Bhattacharjee), Austin, Texas, November 7-10, 2010.

26. Mitigating global supply chain risk through corporate social responsibility, INFORMS Annual Meeting, Austin, Texas, November 7-10, 2010.
27. 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.
28. Mitigating global supply chain risks through corporate social responsibility, 24th European Conference on Operational Research, Lisbon, Portugal, July 11-14, 2010.
29. 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.
30. Computational grid networks market design. QoS, Reliability efficiency and risk management, INFORMS Annual Meeting, San Diego, CA, October 11-14, 2009.
31. Corporate social responsibility and globalization: A supply chain network framework, INFORMS Annual Meeting, San Diego, CA, October 11-14, 2009.
32. Information security in supply chain networks (with M. Nunez and H. Singh), INFORMS Annual Meeting, San Diego, CA, October 11-14, 2009.
33. The effects of social relationship on supply chain networks vulnerability and risk management, INFORMS Annual Meeting, Washington DC, October 12-15, 2008.
34. Close-loop supply chain management: A system dynamics approach (with S. Bhattacharjee and H. Singh), INFORMS Annual Meeting, Washington DC, October 12-15, 2008.
35. 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.

36. Corporate social responsibility for sustainable development in Africa, Rockefeller Foundation Bellagio Center, Lake Como, Italy: Conference - Humanitarian Logistics: Networks for Africa, May 5-9, 2008.
37. 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.
38. Supply chain networks with corporate social responsibility through integrated environmental decision-making (with D. Matsypura), The 5<sup>th</sup> Conference of Supply Chain Management and Information Systems, Melbourne, Australia, December 9-12, 2007.
39. Global supply chain networks sustainability: Corporate social responsibility and risk management, INFORMS Annual Meeting, Seattle, Washington, November 4-7, 2007.
40. Batch-size based line segmentation (with M. Nunez), INFORMS Annual Meeting, Seattle, Washington, November 4-7, 2007.
41. 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.
42. Dynamics of supply chain networks with corporate social responsibility through integrated environmental decision-making, INFORMS International, Puerto Rico, July 8-11, 2007.
43. Multiple period modeling of computational grid networks with budget and capacity constraints (with D. Matsypura), EURO XXII, Prague, 8-11 July 2007.
44. Dynamics of international financial networks with variable weights multicriteria decision-making, INFORMS Annual Meeting, Pittsburgh, Pennsylvania, November 5-8, 2006.
45. Dynamics of supply chain networks with corporate social responsibility through integrated environmental decision-making, INFORMS Annual Meeting, San Francisco, California, November 13-16, 2005.

46. 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, Illinois, April 29 - May 2, 2005.
47. 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 at Columbia University, December 3-4, 2004.
48. 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 and at the 9th Workshop on Economics and Heterogeneous Interacting Agents, Kyoto University, Kyoto, Japan, May 27-29, 2004.
49. Dynamics of global supply chain supernetworks (with A. Nagurney and D. Matsypura), Third Meeting of STELLA, Focus Group 1, Washington DC, USA, January 16, 2004.
50. Dynamics of global supply chain supernetworks (with A. Nagurney and D. Matsypura), Nectar Conference, Umea, Sweden, June 13-15, 2003.
51. Dynamics of international financial networks with risk management (with A. Nagurney), INFORMS Annual Meeting, Atlanta, Georgia, October 19-22, 2003.
52. 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.
53. Dynamics of global supply chain supernetworks (with A. Nagurney and D. Matsypura), Eighth INFORMS Computing Society Conference, Chandler, Arizona, January 8-10, 2003.
54. International financial networks with intermediation: Modeling, analysis, and computations (with A. Nagurney), Eighth INFORMS Computing Society Conference, Chandler, Arizona, January 8-10, 2003.
55. Supernetworks, the environment, and sustainability (with A. Nagurney, F. Toyasaki, and D. Matsypura), Managing Massachusetts Environment for the New Millennium, Worcester, Massachusetts, November 15, 2002.

## Workshop/Seminar Presentations

1. Economic sustainability of closed loop supply chains: A holistic decision and policy analysis framework. OPIM Department Seminar, April 19, 2019.
2. Panelist at Alumni Reunion, Isenberg School of Management, University of Massachusetts, Amherst, April 5, 2019.
3. Panelist at 2015 Information Systems Workshop on Teaching. Bringing Research & Innovation to the Classroom. Goizueta Business School, Emory University, Atlanta, GA May 21-22, 2015.
4. 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, Massachusetts, December 7, 2012.
5. 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.
6. The academic job search: Pre-interview, the interview and beyond, Spring 2005 UMASS Amherst Operations Research / Management Science Seminar Series, February 4, 2005.
7. 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**
  - Harach, Monika, Warsaw School of Economics, October 1, 2015 - November 1, 2017.
- **Master of Science in Business Analytics and Project Management (MSBAPM) – Academic Advisor**
  - Advised over 1000 Students

## Teaching Experience

### Teaching at the University of Connecticut:

#### **Undergraduate:**

- Operations Management

#### **MBA and Executive MBA:**

- Managerial Statistics
- Operations Management

#### **MSBAPM:**

- Project Risk and Cost Management
- Advanced Project Management
- Predictive Modeling
- Advanced Business Analytics and Project Management (Capstone Course)
- Data Mining
- Statistics in Business Analytics

### Teaching at the University of Massachusetts, Amherst:

#### Isenberg School of Management

- Management Science Applications
- Introduction to Operations Management

#### Mathematics & Statistics Department (September 1998-December 2001)

- Pre-calculus Algebra with Functions and Graphs
- Analytic Geometry and Trigonometry
- Pre-calculus Trigonometry
- Algebra, Analytic Geometry, and Trigonometry
- Linear Methods and Probability for Business
- Introduction to Statistics
- Calculus I, Honors Calculus I, Calculus II



## Professional Services

### *Service to the Research Community/ Editorial Activities*

- *Guest Editor of Special Issue of Journal of Cleaner Production (December 2013-January 2015)*
  - Select articles to publish
  - Keep editorial freedom & ethics
  - Invite peer reviewers
  - Control 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*
  - Referee book proposal for the following publisher:
    - 1 Review for John Wiley and Sons
    - 2 Reviews for Edward Elgar Publisher
    - 1 Review for Oxford University Press
- *Member of the following organizations since 2001*
  - Institute for Operations Research and the Management Sciences (INFORMS)
  - *Production and Operations Management Society (POMS)*
- *Conference Track Chair*
  - Eastern Academy of Management (Brazil 2009) conference. Supply chain management track chair. My responsibilities included the following:
    - Oversaw the content of specific technical area and its organization
    - Served as primary liaison between the track and other conference organizers
    - Created and assembled sessions
    - Monitored the paper review process
    - Assigned reviewers to each paper
    - Ensure timely review
    - Compiled the reviews and comments

- Accepted or rejected each paper and notified the authors
  - Re-reviewed a document if the substantive revision was required
  - Ensure the technical quality of your session
- *Conference Session Chairs*
- INFORMS Annual Conference, Phoenix, AZ, 2018.
  - INFORMS Annual Conference, Houston, TX, 2017.
  - INFORMS Annual Conference, Nashville, TN, 2016.
  - INFORMS Annual Conference, Philadelphia, PA, 2015.
  - INFORMS Annual Conference, San Francisco, CA, 2014.
  - INFORMS Annual Conference, Minneapolis, Minnesota, 2013.
  - 26th European Conference on Operational Research, Rome, Italy, July 1-4, 2013.
  - INFORMS Annual Conference, Phoenix, Arizona, 2012
  - INFORMS Annual Conference, Charlotte, NC, 2011
  - INFORMS Annual Conference, Austin, TX, 2010
  - INFORMS Annual Conference, San Diego, CA, 2009
  - INFORMS Annual Conference, Washington DC, 2008
  - INFORMS Annual Conference, Seattle, WA, 2007
  - INFORMS Annual Conference, Pittsburgh, PA, 2006
  - INFORMS Annual Conference, San Francisco, CA, 2005
  - POMS Annual Conference, Chicago, IL, 2005
- My responsibilities included the following:
- Created and assembled sessions
  - Invited speakers to present in the session
  - Monitored timely session presentations
  - Reported the session cancellations and number of attendees

### ***Department Level Service***

- *Chair the Department Master's Program Curriculum Committee (September 2016-Present).*
  - *Chair The Department Master's Ethics/Conduct Code (Plagiarism) Committee. (July 1, 2016 -Present).*
  - *Member of the Team that Developed the Proposal and Development of Center for Advance of Business Analytics (CABA) (September 2016- 2018).*
  - *Member, OPIM Faculty Hire Committee. (September 2015- Present).*
- Hire committee for nine new Assistant Professors
- Reviewed over 500 applications
  - Developed the candidate's' qualification matrix
  - Interviewed candidates at conferences.
  - Interviewed candidates via Skype/phone

- *Chair, OPIM Faculty In-Resident Hire Committee. (February 1, 2016 -present).*  
Hire committee for 6 APIR position
  - Reviewed over 100 applications
  - Developed the candidate's qualification matrix
  - Interviewed candidates
- *Administrator, MSBAPM Open House, MSBAPM Promotion Committee. (July 1, 2012 - Present).*
  - I have organized many MSBAPM's Open House Downtown Hartford Waterbury, and Stamford Campuses from July 2012 to Present.
- *Advisor, Faculty Advisor, MS-BAPM Student Club. (June 16, 2012 - Present).*
- *Administrator, MSBAPM Admission Committee. (June 16, 2012 - Present).*
  - Reviewed over 5000 applications to MSBAPM Program
- *Administrator, MSBAPM events, and placement Planning Committee. (June 16, 2012 - Present).*
  - I have organized many networks and orientations and end of semester events every year.
- *Administrator, MSBAPM Partnering, and Outreach Committee. (June 16, 2012 - Present).*
- Outreach IBM, Travelers, UnitedHealth Care, Webster Bank, City of Hartford, Signa, GE, SiriusDecisions, Oracle, and many more.
- *Member of the MSBAPM PM Events and Placement Planning Committee 2011 - present*
  - Help organize many MSBAPM PM Events
- *Chair of the MSBAPM Promotion Committee 2011- present*
  - Organized 20 MSBAPM's Open House between Downtown Hartford, Stamford and Waterbury Campus
- *Member of the MSBAPM Partnering and Outreach Committee, since 2011 - 2012*
  - Visited Travelers, The Hartford, Aetna, and Signa
- *Member of the Departmental Master Program Committee, since 2009.* I have participated in the development of the new Master's Program, "Master of Science in Business Analytics and Project Management." My responsibilities consisted of the following:
  - Involvement in curriculum development
  - Research and survey of similar programs in the State of Connecticut and the country
  - Participation in the creation of surveys for MBA, graduate engineering students, and the business community to determine the visibility and sustainability of the new program.

- Developed a new course, “Project Risk and Cost Management,” for the new program
- Contributed to the creation of the master’s program proposal that was approved by the School of Business, University, and the State Connecticut Department of Higher Education
- Participated in Open Houses
- *New course development - OPIM 5668: Project Risk and Cost Management and OPIM 5507- Advanced Project Management Topics: Agile*
  - Designed, taught and promoted the course for the new Master of Science in Business Analytics and Project Management Program
- *Member of the Departmental Management and Engineering for Manufacturing (MEM) Committee, 2008-2010*
  - Contributed to the MEM Self-Study Report in preparation for the Accreditation Board for Engineering and Technology (ABET) evaluation
- *Ph.D. activities*
  - Member of the Departmental Ph.D. Qualifying Paper Committee, 2010-2011.
    - Advise and provide feedback to 3 Ph.D. students on their qualifying papers
  - Member of the Departmental Ph.D. Recruitment Committee, 2006-2008, and 2011-2012
- I have worked on:
  - Candidates pre-selection
  - Candidates’ interview
  - Candidates final selection
- *Graduate Student Advisor*
  - Academic Advisor for Master of Science in Business Analytics and Project Management students since Spring 2011
  - Have advised over 1000 master’s students
- *Undergraduate Student Advisor*
  - Advised over 100 Business and Technology students, 2004-2010, in Waterbury and the Greater Hartford Campus

### ***School of Business Level Service***

- *Member, the School PMBA Redesign Committee. (August 1, 2016 - Present).*
  - *Chatter to redesign the PMBA curriculum*
- *Member, the School Graduate AACSB Accreditation Assessment. (November 1, 2014 - Present).*
  - Developed MSBAPM Assessment Matrix

- Surveyed MSBAPM students in Fall 2015 and Spring 2016 for continues improvement
- 02/21/2016: AACSB PEER REVIEW TEAM VISIT -Graduate Programs meeting)
- 02/22/2016: AACSB PEER REVIEW TEAM VISIT - Assessment of Learning meeting
- *Member, School of Business Strategic Planning, Strategic Planning Committee. (April 1, 2013 - Present).*
- *Administrator, Director of MSBAPM. (June 16, 2012 - Present).*
- *Member, Commencement Ceremony, Graduate Commencement Ceremony. (May 11, 2013-present).*
  - Attended all Graduate Commencement Ceremony
- *Member of the Global Initiatives Committee, 2009-2010*
  - Worked with the International Affairs/CIBER office on implementing new strategic initiatives for extending the global reach of the School (e.g., study abroad, student and faculty exchanges, global internships, joint educational and research activities with global partners. Focused on issues of study abroad including benchmarking against other schools, developing a purpose statement, examining and enhancing policy, developing a strategic plan, evaluating current offerings against the plan, and suggesting future courses of action.
- *Member of the UConn & Connecticut Community College Business Transfer Pathway Steering Committee, since 2006*
  - Participated in the development of the Business and Technology Transfer Pathway Course Articulation Agreement with community colleges throughout the State of Connecticut.
  - For each community college, we established an agreement whereby community college students who complete their Associate degree in Business Administration may transfer as first-semester juniors to pursue a baccalaureate degree at one of the UConn regional campuses in West Hartford, Stamford, or Waterbury.
  - Visited Connecticut Community Colleges to talk to students about the Bachelor of Science in Business and Technology (BSBT) and Transfer Pathway Program.
- *Member of the School Faculty Qualification Policy Development Committee, 2008-2009*
  - Drafted the school's new qualifications policy statement on academic and professional faculty credentials.
- *Member of the Regional Campus Committee, since 2006*

- *Attended Commencement Ceremonies in 2005, 2007, 2008, 2009, 2010, 2012, 2013, 2014, 2015, 2016, and 2017.*
- *Contributed to Fall 2007, 2016 Convocation*

### ***University Level Service***

- *Member of the AAUP Committee on Equity, Inclusion, and Diversity, 2012*

### **Press Interviews**

Graduation day upon them, UMass student to receive a 5th degree, Daily Hampshire Gazette, May 22, 2004.