

# Jarrold D. Goentzel

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## Education

Ph.D., Industrial and Systems Engineering, Georgia Institute of Technology, Atlanta, Georgia, 1998

M.S., Applied Mathematics, Colorado State University, Fort Collins, Colorado, 1993

B.A., Mathematics with Highest Honor, Tabor College, Hillsboro, Kansas, 1990

Budapest Semesters in Mathematics program, Budapest University of Technology and Economics, Hungary, 1989

## Academic Experience

### Massachusetts Institute of Technology

Research Scientist and Lecturer, MIT Center for Transportation and Logistics, 2003-Current

- Lead research sponsored by corporate partners, convene executive roundtable events, advise master's theses and capstone projects.
- Teach courses at the graduate and undergraduate level. Instructor in the groundbreaking edX MicroMasters program in Supply Chain Management.

Founder and Director, MIT Humanitarian Supply Chain Lab; 2011-Current

- Engage various organizations to conduct collaborative research, including sponsored research with various government and non-government organizations.
- Supervise a lab cohort of research scientists, postdocs, graduate and undergraduate students.

Executive Director, MIT Supply Chain Management Program, 2009-2011

- Directed all aspects of the full-time professional masters program: marketing, admissions, curriculum design, alumni relations and budget. Improved the admissions selectivity and placement statistics, which are comparable to the top tier business schools.
- Led rebranding of the program in 2010 to better reflect its professional impact.

Executive Director, MIT-Zaragoza International Logistics Program, 2003-2008

- Led MIT efforts to establish the Zaragoza Logistics Center, an education and research institute in Spain. Created the strategic plan. Hired permanent faculty members.
- Led design, accreditation, and management of new international master's and PhD programs at the Zaragoza Logistics Center as part of the MIT partnership; in five years grew the PhD program to nine students and the master's program to 26 students (from over 200 applicants whose test scores were among top professional programs in Europe).
- Organized and moderated several research symposia with industry, including the Supply Chain 2020 European Advisory Council. Organized and moderated the annual Zaragoza Supply Chain Summit, a major industry/academic conference with 400 to 800 attendees.
- Served as a full-time professor living in Spain from 2005-2007.

### **Georgia Institute of Technology**

Research Assistant (Ford Scholar), 1994-1998.

Co-Founder and System Administrator, The Logistics Institute Computing Lab, 1994-1998

- Established and maintained a client-server computing lab to host various modeling and optimization software applications.
- Created demo environment for tours with corporate visitors.

Member, Selection Committee for the Dean of Engineering, 1997-1998.

Member, Steering Committee for the Graduate Student Symposium, 1996.

Student Coordinator, NSF Engineering Research Center Proposal, 1995.

### **Colorado State University**

Assistant Director, Individualized Mathematics Program, 1991-1992

- Managed staff and operations for college algebra program serving over 5,000 students.
- Developed innovative video instruction series with integrated computer graphics.

### **Tabor College**

Member, Tabor College Board of Directors, 1989-1990

Treasurer, Student Council, 1987-1990

## **Industry Experience**

### **Velant, Inc., Atlanta, Georgia**

Director of Consulting, 2001-2003

- Directed implementation, led business development, and guided software development for early cloud computing start-up. Transportation optimization resulted in 10-30% operating cost and/or asset utilization improvement at numerous Fortune 500 companies.

### **CAPS Logistics/Baan Company, Barneveld, Netherlands**

Director of Product Management, 1999-2000

- Set development roadmap for award-winning supply chain design products, presented company results and vision at industry events and financial analyst briefings.

### **Ford Motor Company, Detroit, Michigan**

Independent Consultant and Ford Scholar, 1994-1998

- Developed new strategy for parts supply in Ford Customer Service Division that was successfully rolled out in North America and Europe.

## **Teaching Experience**

Massachusetts Institute of Technology School of Engineering, 2005-Current.

- *Humanitarian Logistics* (master's level). Developed and teach. 2011-Current.
- *Supply Chain Financial Analysis* (master's level). Developed and teach. 2010-Current.
- *D-Lab Supply Chains* (undergraduate level). Co-teach. 2017-Current.
- *Supply Chain Design* (edX). Developed 1.5 of 10 modules, 2015.
- *Technology Evaluation for Global Development* (edX). Developed 1.5 of 6 modules, 2016.
- *Supply Chains Driving Strategic Advantage* (executive level). Lecturer. 2004-Current.

Harvard T.H. Chan School of Public Health, 2009-Current.

- *Essentials for Humanitarian Action in the Field* (master's level). Lecturer.
- *Global Health Effectiveness Program* (executive master's level). Lecturer.

Harvard Medical School, 2014-2016.

- *The Physician as a Leader* (fourth year). Lecturer.

Boston University School of Public Health, 2014-2016.

- *Supply Chain Management for Improved Health System Performance* (master's level). Lecturer.

Universita della Svizzera Italiana, Lugano, Switzerland. 2011-2016.

- *Transportation Management* (master's level). Developed and taught.

Center for Latin-American Logistics Innovation, Bogotá, Colombia, 2009-2013.

- *Supply Chain Management: Driving Strategic Advantage* (executive level). Co-developed and taught

Instituto de Empresa Business School, Madrid, Spain, 2007-2008.

- *Operations Management for the Financial Manager* (master's level). Developed and taught. 2007.
- *Distribution and Transportation* (master's level). Developed and taught. 2007-2008.

MIT-Zaragoza International Logistics Program, Zaragoza Logistics Center, University of Zaragoza (Spain), 2005-2008.

- *Financial Systems and Supply Chain Management* (master's level). Developed and taught. 2006-2007.
- *Humanitarian and Global Health Supply Chains* (master's level). Co-developed and taught. Spring 2008.

Centro Ejecutivo de Logística, Monterrey, México, 2006.

- *Supply Chain Fundamentals* (executive level). Developed and taught.

Georgia Institute of Technology, School of Industrial and Systems Engineering, 1995-2003.

- *Supply Chain Modeling* (undergraduate honors level). Co-developed and taught.
- *Storage and Distribution Systems Design* (undergraduate level). Lecturer.
- *Transportation/Distribution/Logistics Modeling* (executive level). Lecturer.
- *Supply Chain Short Course* (executive level). Lecturer.

Colorado State University, School of Mathematics, 1993.

- *Business Calculus* (undergraduate level).

## **Academic Service**

Advisory Board Member, Humanitarian Logistics Association, February 2019 – Current

Board Member, People that Deliver Initiative, October 2015 – Current

President, College of Humanitarian Operations and Crisis Management (HOCM) in the Production and Operations Management Society (POMS), May 2013 – Jan 2016

Associate Editor, Journal of Operations Management, Sep 2015 – Feb 2019

Editorial Advisory Board, Journal of Humanitarian Logistics and Supply Chain Management, Jun 2011 – Current

Editorial Advisory Board, Logistics Research

Reviewer: Operations Research, Management Science, Production and Operations Management, Journal of Operations Management, European Journal of Operational Research, Journal of Humanitarian Logistics and Supply Chain Management, Disasters, International Journal of Manufacturing Technology and Management, Research in Engineering Design

Co-Chair, Health and Humanitarian Logistics Conference: 2013 (Kuala Lumpur), 2014 (Mexico City), 2015 (Johannesburg), 2016 (Atlanta), 2017 (Copenhagen), 2018 (Dubai), 2019 (Kigali)

Chair, Zaragoza Supply Chain Summit, Zaragoza, Spain: 2004, 2005, 2007

## **Honors & Awards**

Decision Analysis Practice Award, INFORMS Annual Meeting, November 2018.

- Sponsored jointly by the Decision Analysis Society and the Society of Decision Professionals, this award is given annually to the best decision analysis application, as judged by a panel of members of both Societies.

American Logistics Aid Network Director's Partnership Award, CSCMP Annual Conference, October 2018.

- American Logistics Aid Network Awards recognize companies and individuals who exemplify the best that the supply chain has to offer by assuring that aid and comfort are rapidly delivered to communities in crisis.

Service Award, University of Massachusetts Medical School, May 2015.

- Recognition during the commencement exercises for work as logistics lead for the Academic Consortium Combating Ebola in Liberia.

MIT Lincoln Laboratory Team Award, June 2010.

- Recognition of outstanding service and collaboration in response to the Haiti earthquake.

Tabor College Medallion Award, October 2000.

- Annual award given to an outstanding alumnus from the past fifteen years.

## Refereed Publications

- Brennan, M., Sundar, P., Goentzel, J., Frey, D., and Mathias, J. "One More Tool for the Food Assistance Toolbox? Experimental Evidence on Food Assistance Packaging." *Food Policy*, In Press (Available Online), 2019.
- Moline, J., Goentzel, J., Gralla, E. "Models for Locating and Staffing FEMA's Disaster Recovery Centers." *Decision Sciences*, In Press (Available Online), 2019.  
<https://doi.org/10.1111/dec.12359>
- Castañeda, J.A., Brennan, M., and Goentzel, J. "A behavioral investigation of supply chain contracts for a newsvendor problem in a developing economy." *International Journal of Production Economics*, Volume 210, pages 72-83, April 2019.  
<https://doi.org/10.1016/j.ijpe.2018.12.024>
- Carland, C., Goentzel, J., and Montibeller, G. "Modeling the values of private sector agents in multi-echelon humanitarian supply chains." *European Journal of Operational Research*. Volume 269, Issue 2, pages 532-543, September 2018.  
<https://doi.org/10.1016/j.ejor.2018.02.010>
- Gralla, E. and Goentzel, J. "Humanitarian transportation planning: Evaluation of practice-based heuristics and recommendations for improvement." *European Journal of Operational Research*, Volume 269, Issue 2, pages 436-450, September 2018.  
<https://doi.org/10.1016/j.ejor.2018.02.012>
- Veatch, M. and Goentzel, J. "Feeding the bottleneck: airport congestion during relief operations." *Journal of Humanitarian Logistics and Supply Chain Management*. Vol. 8 Issue: 4, pages 430-446, 2018. <https://doi.org/10.1108/JHLSCM-01-2018-0006>
- McQuilkin, Patricia A., Michelle Niescierenko, Ann Marie Beddoe, Jarrod Goentzel, Elinor A. Graham, Patricia C. Henwood, Lise Rehwaldt, Sisay Teklu, Janis Tupesis, and Roseda Marshall. "Academic Medical Support to the Ebola Virus Disease Outbreak in Liberia." *Academic Medicine*, Volume 92, Issue 12, pages 1674-1679, December 2017.
- Acimovic, J. and Goentzel, J. "Models and Metrics to Assess Humanitarian Response Capacity." *Journal of Operations Management*, Volume 45, pages 11-29, July 2016. doi: 10.1016/j.jom.2016.05.003
- Gralla, E., Goentzel, J. and Fine, C. "Problem formulation and solution mechanisms: a behavioral study of humanitarian transportation planning." *Production and Operations Management*, Volume 25, Issue 1, pages 22-35, January 2016. doi: 10.1111/poms.12496.
- Sundararaman, P., Brennan, M.E., Goentzel, J., and Frey, D.D. "Development of Experimental Design for the Evaluation of Food Aid Packaging." *Procedia Engineering*, Volume 159, pages 222-229, 2016. doi: 10.1016/j.proeng.2016.08.166
- Haavisto, I, and Goentzel, J. "Measuring humanitarian supply chain performance in a multi-goal context." *Journal of Humanitarian Logistics and Supply Chain Management*. Volume 5 Issue 3, pages 300-324, October 2015. doi: 10.1111/poms.12110
- Gralla, E, Goentzel, J., and Van de Walle, B. "Understanding the information needs of field-based decision-makers in humanitarian response to sudden onset disasters." *Proceedings of the ISCRAM 2015 Conference*, Palen, Buscher, Comes and Hughes, eds. Kristiansand, Norway, May 24-27, 2015.

- Gralla, E., Goentzel, J., and Chomilier, B. "Case Study of a Humanitarian Logistics Simulation Exercise and Insights for Training Design." *Journal of Humanitarian Logistics and Supply Chain Management*. Volume 5 Issue 1, pages 113–138, January 2015. doi: 10.1108/JHLSCM-01-2014-0001.
- Carland, C., Goentzel, J., Streat, E., and Montibeller, G. "Scaling up Malaria Rapid Diagnostic Tests in Private Sector Supply Chains in Uganda: Adapting Multi-Criteria Decision Analysis as a Methodology to Understand Decision-making and Preferences," *The American Journal of Tropical Medicine and Hygiene*, Volume 93, Issue 4 Supplement, Page 27, October 2015.
- Jahre, M., Ergun, O., and Goentzel, J. "One Size Fits All? Using Standard Global Tools in Humanitarian Logistics." *Procedia Engineering*, Volume 107, pages 18–26, 2015. doi: 10.1016/j.proeng.2015.06.054
- Rancourt, M., F. Bellavance and J. Goentzel. "Market analysis and transportation procurement for food aid in Ethiopia." *Socio-Economic Planning Sciences*, Volume 48, Issue 3, pages 198–219, September 2014. doi:10.1016/j.seps.2014.07.001
- Juan, A., Goentzel, J. and Bektas, T. "Routing Fleets with Multiple Driving Ranges: is it possible to use greener fleet configurations?" *Applied Soft Computing*, Volume 21, pages 84–94, August 2014. doi:10.1016/j.asoc.2014.03.012
- Gralla, E., Goentzel, J. and Fine, C. "Assessing Trade-offs among Multiple Objectives for Humanitarian Aid Delivery Using Expert Preferences." *Production and Operations Management*, Volume 23, Issue 6, pages 978–989, June 2014. doi: 10.1111/poms.12110.
- Zissman, M. A., Evans, J. E., Holcomb, K. T., Jones, D. A., Kercher, M. R., Mineweaser, J. L., Schiff, A.C., Shattuck, M. M., Gralla, E. L., Goentzel, J., Heatherly, C., Czarnik, J., Rodgers, A., Wooten, A., Brennan, M., Mach, O., Cleaves, A., Hartnett, G., Simon, G., Ivers, L.C. "Development and Use of a Comprehensive Humanitarian Assessment Tool in Post-Earthquake Haiti." *Procedia Engineering*, 78, pages 10-21, 2014. <https://doi.org/10.1016/j.proeng.2014.07.033>
- Bradley, R and Goentzel, J. "Simulating Tomorrow's Supply Chain Today." *Proceedings of the 2012 Winter Simulation Conference*, C. Laroque, J. Himmelspach, R. Pasupathy, O. Rose, and A.M. Uhrmacher, eds., pages 2425-2436, December 2012.
- De Los Rios, A., Goentzel, J., Nordstrom, K. and Siegert, C. "Economic analysis of vehicle-to-grid (V2G)-enabled fleets participating in the regulation service market," in *IEEE PES Innovative Smart Grid Technologies*, pages 1-8, January 2012. doi: 10.1109/ISGT.2012.6175658.
- Saran, P.; Goentzel, J.; Siegert, C.W. "Economic analysis of wind plant and battery storage operation using supply chain management techniques," in *IEEE Power and Energy Society General Meeting*, pages 1-8, July 2010. doi: 10.1109/PES.2010.5589581.
- Fioravanti, R., Menezes, M., and Goentzel, J. "Supply Chain Sensitivity to Macro Factors." *Proceedings of the POMS Annual Conference 2009*.
- Goentzel J., Manzione, L.T., Pibernik, R, Pruett, J., and Thiessen, B. "Strategic deployment of specialized testing and remanufacturing in a global high-tech supply chain". *International Journal of Manufacturing Technology and Management (IJMTM)*, Volume 11, Issue 1, pages 28-52, 2007.

Campbell, A., Goentzel, J. D., and Savelsbergh, M. "Experiences with the Use of Supply Chain Management Software in Education." *Production and Operations Management*, Volume 9, Issue 1, pages 66-80, March 2000.

## Other Publications

Goentzel, J. and Eng Larsson, F. "Seeking the Value in Supply Chain Visibility," *Wall Street Journal*, June 14, 2016.

Goentzel, J. and Rice, J. "Managing Supply Chains is Intertwined with Financial Management," *Wall Street Journal*, July 23, 2015.

Goentzel, J. and Heigh, I. "Supply Chains in Crisis," *Inside Logistics (joint issue of Inside Supply Management and Inbound Logistics)*, pages 16-18, July 2015.

Goentzel, J. and Rice, J. "Learning the Language of Finance," *Supply Chain Quarterly*, Volume 9, Issue 2, Pages 30-33, 2015.

Goentzel, J. "Supply Chain Innovation Critical in Ebola Response," *Supply Chain Management Review*, Volume 19, Issue 1, Pages 6-7, January/February 2015.

Gralla, E., Goentzel, J., and Van De Walle, B. "Field-Based Decision Makers' Information Needs in Sudden Onset Disasters," Workshop Report, Digital Humanitarian Network, Geneva, Pages 1-50, October 2013. Available from <http://digitalhumanitarians.com/content/decision-makers-needs>

Mendler de Suarez, J., Suarez, P., Bachofen, C., Fortugno, N., Goentzel, J., Gonçalves, P., Grist, N., Macklin, C., Pfeifer, K., Schweizer, S., Van Aalst, M., and Virji, H. Games for a New Climate: Experiencing the Complexity of Future Risks. Pardee Center Task Force Report. Boston: The Frederick S. Pardee Center for the Study of the Longer-Range Future, Boston University, ISBN 9781936727063, November 2012.

Sullivan, E., Goentzel, J., and Weintraub, R. "The Global Health Supply Chain." Concept Note GHD-C01, Harvard Business School Publishing, Boston. April 2012.

Goentzel, J., and Spens, K. "Humanitarian Logistics in the United States: Supply Chain Systems for Responding to Domestic Disasters." Chapter in Humanitarian Logistics: Meeting the Challenge of Preparing for and Responding to Disasters. Eds. Martin Christopher and Peter Tatham, Kogan Page, London, Pages 141-163, 2011.

Goentzel, J. "Getting Your Point Across Without Bullets and Builds." *Supply Chain Management Review*, Volume 15, Issue 4, Pages 8-9, July/August 2011.

M.A. Zissman, J.E. Evans, K.T. Holcomb, D.A. Jones, A.C. Schiff, M.M. Shattuck, E.L. Gralla, J. Goentzel, C. Heatherly, J. Czarnik, A. Rodgers, A. Wooten, M. Brennan, O. Mach, A. Cleaves, M. Hartnett, G. Simon, and L.C. Ivers. "Development and Use of a Comprehensive Humanitarian Assessment Tool in Post-Earthquake Haiti." Technical Paper ADA534969, Defense Technical Information Center, October 2010.

Allain, L., Goentzel, J., Bates, J. and Durgavich, J. "Reengineering Public Health Supply Chains for Improved Performance: Guide for Applying Supply Chain Segmentation Framework." Arlington, Va. USAID | DELIVER PROJECT, Task Order 1, March 2010.

Goentzel, J. "Delivering on the Promise of Green Energy." *Supply Chain Management Review*, Volume 14, Issue 1, pages 10-17, January/February 2010.

Campbell, A., Goentzel, J. D., and Savelsbergh, M. "Experiences with the Use of Supply Chain Management Software in Education." Chapter in Supply Chain Management: Innovations for Education. (Edited by David F. Pyke and M. Eric Johnson). *POMS Series in Technology and Operations Management, Volume 2*, Production and Operations Management Society, 2000.

Goentzel, J. D. "Case Study: Supply Chain Design for Ford Motor Company", October 1999.  
<http://www.tli.gatech.edu/research/casestudies/ford>

## **Books**

Goentzel J., Rafele, C., De Marco A., Sheffi, Y. Digital Piemonte: A Study in Transforming Regional Mobility with Information and Integration. Aracne Editrice (Rome), 2008. ISBN: 978-88-548-1953-5.

## **Theses Supervised**

1. Wiseman, M. "An Analysis of Household Characteristics Impacting Food Security and Market Participation in Rural Uganda," Master of Science Thesis, MIT, May 2019.
2. Mollard, J and Buitrago, S. "The Impact of Product Portfolio Complexity on Fleet Size," Master of Applied Science Capstone, MIT, May 2019.
3. Rains, R. "Demand Forecasting for Ebola Responses," Master of Applied Science Capstone, MIT, May 2019.
4. Picchione, K. "Dynamics of agribusiness decision making in Uganda," Master of Science Thesis, MIT, May 2018.
5. García Castillo, J. "Effects and mitigation of natural hazards in retail networks," Master of Engineering Thesis, MIT, May 2018.
6. Turner, B. "Toward Effective Common Operating Policies for Medical Items in Ongoing Humanitarian Operations - The Science and Art of Segmentation - A Case Study," Master of Engineering Thesis, MIT, May 2018.
7. Cheung, D. and Pieper, R. "International Production Network Planning," Master of Applied Science Capstone, MIT, May 2018.
8. Lillijord, B. and Li, C. "The Effect of Endogenous Demand Factors in Supply Chain Network Design," Master of Applied Science Capstone, MIT, May 2018.
9. Zhang, M. and Zhang, Q. "Unlocking value in healthcare delivery channels," Master of Engineering Thesis, MIT, May 2017.
10. Davis, L. and Lucido, J. "Innovative Transportation Concepts: Uber for Freight," Master of Engineering Thesis, MIT, May 2017.
11. Breitbach, T. "Supply Chain Financing in Developing Countries," Doctoral Thesis, MIT, May 2017.
12. Zielske, I. "A mixed methods approach to modeling personal protective equipment supply chains for infectious disease outbreak response," Master of Science Thesis, MIT, May 2016.



13. Gooding, E. "A mixed methods approach to modeling personal protective equipment supply chains for infectious disease outbreak response," Master of Science Thesis, MIT, May 2016.
14. Brennan, M. "Experimentation with procurement to design and model supply chains in developing economies," Master of Science Thesis, MIT, May 2016.
15. Creyts, C., Weisskopf, N. "E-Commerce drop shipping: building a CPG supply chain," Master of Engineering Thesis, MIT, May 2016.
16. Kamareddine, K., Yao, Y. "Analyzing tradeoffs between working capital and production capacity for multi-stage manufacturing processes," Master of Engineering Thesis, MIT, May 2016.
17. Stanchik, A. "The effect of supply chain visibility systems on business processes : a multi-case study analysis," Master of Engineering Thesis, MIT, May 2016.
18. Seelbach, L. "Stochastic modeling to allocate and assess disaster response capacity in logistics networks," Master of Science Thesis, MIT, May 2015.
19. Carland, C. "Using multi-criteria decision analysis to assess private sector agents' preferences and priorities in stocking malaria rapid diagnostic test kits in Uganda," Master of Science Thesis, MIT, May 2015.
20. Dokmo, C. and Patel, N. "Financing Medicine's Last Mile in Uganda: Exploring Linkages between Patient Access to Medicine and Supply Chain Access to Finance," Master of Engineering Thesis, MIT, May 2015.
21. Blomberg, N and Gras, R. "An analytical model to increase air volumes and minimize the Net Achieved Rate in air freight transportation," Master of Engineering Thesis, MIT, May 2015.
22. Zhang, B. "Decision analysis of novel point-of-care diagnostics for Pediatric Pneumonia: implementation in Developing countries with tiered healthcare systems," Master of Science Thesis, MIT, May 2015.
23. Moline, Julia. "Data-Driven Resource Allocation Decisions: FEMA's Disaster Recovery Centers." Master of Science Thesis, MIT, May 2014.
24. Primavera, Daniele and Hang Shi. "Perfecting Visibility with Retailer Data." Master of Engineering Thesis, MIT, May 2014.
25. Ghersa, Ricardo and Chelsey Graham. "Increasing Access to Medicines in Southern Africa." Master of Engineering Thesis, MIT, May 2014.
26. Barnett, Jorge. "Location models applied to the design of a distribution network for hydrogen fuel produced from renewable energy sources." Doctoral Thesis, MIT-Zaragoza Program, University of Zaragoza, October 2013.
27. Marcil, Thomas Henry. "Performance Measurement and Signaling in the Humanitarian Marketplace." Master of Science Thesis, MIT, May 2013.
28. Nishimura, Kathryn K. and Jian Wang. "Calculating Humanitarian Response Capacity." Master of Engineering Thesis, MIT, May 2013
29. Bhatia, Anand and Brittany G. Johnson. "Increasing Access to Medicines in the Private Sector in Zambia and Zimbabwe." Master of Engineering Thesis, MIT, May 2013.

30. Gralla, Erica. "Human and Modeling Approaches for Humanitarian Transportation Planning." Doctoral Thesis, MIT, May 2012.
31. Krishnamurthy, Prashanth and Amit Prasad. "Inventory Strategies for Patented and Generic Products for a Pharmaceutical Supply Chain." Master of Engineering Thesis, MIT, May 2012.
32. Bradley, Randolph L. "Evaluating Inventory Segmentation Strategies for Aftermarket Service Parts in Heavy Industry using Linked Discrete-Event and Monte Carlo Simulations." Master of Engineering Thesis, MIT, May 2012.
33. Knight, Ariaahna N. "Creating a Framework for a Humanitarian Response Capacity Index." Master of Engineering Thesis, MIT, May 2012.
34. Alexander, Scott C. "Supply Chain Strategy in Post-Earthquake Haiti." Master of Engineering Thesis, MIT, May 2011.
35. Banik, Jaya and Kyle Rinehart. "Modeling Order Guidelines to Improve Truckload Utilization." Master of Engineering Thesis, MIT, May 2011.
36. De Los Ríos Vergara, Andrés and Kristen E. Nordstrom. "Building a business case for corporate fleets to adopt vehicle-to-grid technology (V2G) and participate in the regulation service market." Master of Engineering Thesis, MIT, May 2011. *Winner of SCM Program Best Thesis Award.*
37. Jagatheesan, Jay and Ryan Kilcullen. "Incorporating Cycle Time Uncertainty to Improve Railcar Fleet Sizing." Master of Engineering Thesis, MIT, May 2011.
38. Budhiraj, Karn and Gabriel de la Torre Castro. "Suggested Strategies and Best Practices in Private Supply Chain Disaster Response." Master of Engineering Thesis, MIT, May 2010.
39. Dickinson, Melody and Jillian Leifer. "Incorporating Traffic Patterns to Improve Delivery Performance." Master of Engineering Thesis, MIT, May 2010.
40. Causton, Marcus and Jianmin Wu. "Aftermarket Vehicle Hybridization: Designing a Supply Network for a Startup Company." Master of Engineering Thesis, MIT, May 2010.
41. Chung, Sooduck and Michael Farrey. "Biofuel Supply Chain Challenges and Analysis." Master of Engineering Thesis, MIT, May 2010.
42. Kim, Sujin and Javed Singha. "WFP Supply Chain Capacity in Ethiopia: An Analysis of its Sufficiency, Constraints & Impact." Master of Engineering Thesis, MIT, May 2010.
43. Heberley, Christine and Matthew Hoover. "Managing Growth of a Non-Profit Healthcare Supply Chain in Haiti." Master of Engineering Thesis, MIT, May 2010.
44. Chander, Vidya and Lauren Shear. "Humanitarian Aid in Less Secure Regions: An Analysis of World Food Programme Operations in the Somali Region of Ethiopia." Master of Engineering Thesis, MIT, May 2009.
45. Kim, Eun Hie and Michael Nsiah-Gyimah. "The Impact of Fuel Price Volatility on Transportation Mode Choice." Master of Engineering Thesis, MIT, May 2009.
46. Malaver, Gina and Colin Regnier. "Structuring Strategic Decisions Through the Analytic Hierarchy Process: A Case Study in the Selection of Warehouse Location for WFP in Ethiopia." Master of Engineering Thesis, MIT, May 2009.

47. Saran, Prashant and Clay Siegert. "Using Supply Chain Management Techniques to Make Wind Plant and Energy Storage Operation More Profitable." Master of Engineering Thesis, MIT, May 2009. *Winner of SCM Program Best Thesis Award.*
48. Shah, Jeet N. and Trevor N. Thomas. "Costs of Multiplicity in Public Health Supply Chains in Burundi." Master of Engineering Thesis, MIT, May 2009.
49. Jenny Marcela Giraldo. "Global Logistics Parks." Master of Engineering Thesis, Zaragoza Logistics Center, May 2009.
50. Linda Zhixing Li. "Supply Chain Strategy Development for the Chinese Solar Energy Industry: A Focus on Thin Film Photovoltaic Manufacturers." Master of Engineering Thesis, Zaragoza Logistics Center, May 2009.
51. Kell, Kenneth and Mauricio Hoyos Argüelles. "Modeling the Supply Chain within Spain for Hydrogen Fuel Produced Using Sustainable Inputs." Master of Engineering Thesis, Zaragoza Logistics Center, May 2008.
52. York, Mary Margaret. "Supply Chain 2020: How Changing Macroeconomic Factors Affect the Supply Chain Network Design of an Apparel Company." Master of Engineering Thesis, Zaragoza Logistics Center, May 2008.
53. Fioravanti, Reinaldo. "Future Supply Networks at Hewlett Packard." Master of Engineering Thesis, Zaragoza Logistics Center, May 2008.
54. Dudarecha, Naveen Chandra. "Future Supply Networks." Master of Engineering Thesis, Zaragoza Logistics Center, May 2008.
55. Lai, Chiamin and Michael Laverty. "Improving Global Health Impact through Tailored Supply Chains: A Case Study of Ghana." Master of Engineering Thesis, Zaragoza Logistics Center, May 2008.
56. González, Rafael and Siddharth Srivastava. "Price Sensitivity in Global Supply Chains." Master of Engineering Thesis, Zaragoza Logistics Center, May 2007.
57. Walsh, Kathleen. "Shelter Procurement Strategies for Humanitarian Organizations: Global vs. Local." Master of Engineering Thesis, Zaragoza Logistics Center, May 2007.
58. Zayas-Ortiz, Zarina. "The Emerging Paradigm Shift Within Humanitarian Logistics: An Examination of the Alternatives for Vehicle Sourcing Strategy and Fleet Management." Master of Engineering Thesis, Zaragoza Logistics Center, May 2007.
59. Appling, William. "Making the Business Case for Technology in the Humanitarian Relief Sector." Master of Engineering Thesis, Zaragoza Logistics Center, May 2006.
60. Mehta, Anand M. "Transportation Cost Volatility and Mode Choice." Master of Engineering Thesis, Zaragoza Logistics Center, May 2006.
61. Milenković, Marija. "International Cargo via Regional Airports: Case Study of Zaragoza Airport." Master of Engineering Thesis, Zaragoza Logistics Center, May 2006. *Winner of MIT-Zaragoza Program Best Thesis Award.*
62. Tsilingiris, Panagiotis S. "Investigation of dry port opportunities via intermodal operations mapping: An application to the East Asia-Europe trade route." Master of Engineering Thesis, Zaragoza Logistics Center, May 2006.
63. Wu, Yi-Chih. "Logistics Parks in China: Case Studies and the Role of the Government." Master of Engineering Thesis, Zaragoza Logistics Center, May 2006.

64. Dill, Gregory S. "A Business Case for Logistical Security: An Analysis of Theft Prevention in the Commercial Supply Chain." Master of Engineering Thesis, Zaragoza Logistics Center, May 2005.
65. Russell, Tim. "The Humanitarian Relief Supply Chain: Analysis of the 2004 South East Asia Earthquake and Tsunami." Master of Engineering Thesis, MIT, May 2005.
66. Schranz-Whitaker, Manuela. "Supply Chain Excellence in the Retail Industry: METRO AG – A Case Study." Master of Engineering Thesis, Zaragoza Logistics Center, May 2005.
67. Akkas, Arzum. "Transportation Resource Scheduling in the Food Retail Industry." Master of Engineering Thesis, MIT, May 2004.
68. Archambault, Nancy. "Planning Coordinated Loads to Facilitate Centralized Dispatching in the Grocery Industry." Master of Engineering Thesis, MIT, May 2004.
69. Kaga, Akihiro. "Application of Real Options to Reverse Logistics Process." Master of Engineering Thesis, MIT, May 2004.
70. Khan, Taimur. "How Regional Authorities Can Achieve Economic Development Through Investments in Logistics Sector." Master of Engineering Thesis, MIT, May 2004.
71. Pulido, Jon. "Modeling Hydrogen Fuel Distribution Infrastructure." Master of Engineering Thesis, MIT, May 2004.

## **Research Sponsorship (Selection)**

- Federal Emergency Management Agency (FEMA) via CNA. "Disaster Supply Chain Analysis Network (SCAN)." Funding based on task orders. 2019-2020.
- Office of U.S. Foreign Disaster Assistance (OFDA). "Optimization-based Evaluation of USAID/OFDA Global Logistics Capacity." \$130,493. 2019.
- JSI Research & Training Institute. "Supply Chain Analytics Course Development at Addis Ababa University's School of Pharmacy." \$130,009. 2018-2019.
- Federal Emergency Management Agency (FEMA) via National Academy of Sciences. "Post-Hurricane Supply Chain Adaptability Study." \$560,717. 2018-2019.
- Federal Emergency Management Agency (FEMA) via MIT Lincoln Laboratory. "Alternatives for FEMA Disaster-Related Housing Assistance." \$306,613. 2017-2019.
- USAID Uganda. "Feed the Future Uganda Market System Monitoring Activity." Collaborator: George Washington University. \$2,447,931. 2016-2020.
- Bill and Melinda Gates Foundation via Private Sector Health Alliance of Nigeria. "Establishment of Nigeria Supply Chain Centre of Excellence." \$220,000. 2016-2018.
- New England University Transportation Center. "Stochastic Analysis of Logistics Capacity in Disaster Response Networks." \$101,028. 2016-2018.
- Centers for Disease Control via Academic Consortium to Combat Ebola in Liberia (ACCEL). "Outbreak and Epidemic Prevention through Laboratory and Human Resource Training System Development for Infection Control in Liberia." \$219,522. 2015-2017.

Paul G. Allen Family Foundation, #TackleEbola. “Academic Consortium to Combat Ebola in Liberia (ACCEL)” Collaborators: UMass Medical School, Boston Children’s Hospital. \$271,371. 2014-2015.

New England University Transportation Center. “Big Data During Crisis: Lessons from Hurricane Irene.” \$50,967. 2013-2014.

USAID Global Development Lab. “The Comprehensive Initiative on Technology Evaluation (CITE).” \$1,357,728. 2012-2017.

UN World Food Program. “Case Study on Markets and Supply Chains to Support for Cash and Voucher Programs in Sudan.” \$118,000. 2012-2014.

MIT-Chile Seed Fund, Ministry of Economic Development in Chile. “Information technologies for supporting disaster relief operations in Chile.” Collaborator: Universidad Andres Bello. \$16,614. 2012-2013.

Heart to Heart International. Gift of \$25,000. 2012-2013.

International Federation of the Red Cross and Red Crescent Societies (IFRC). “Providing services to deliver IFRC Strategy 2020 Global Logistics Service: Case Study Haiti Earthquake Recovery.” \$17,100. 2012.

International Rescue Committee. Gift of \$25,000. 2010-2011.

European Commission via BI Norwegian School of Management. “Transportation Procurement in Emerging Markets: the Case Study of the World Food Programme in Ethiopia.” \$19,110. 2010-2011.

Piemonte Region (Italy). “Transforming Regional Mobility with Information and Integration,” Collaborator: Politecnico di Torino. \$150,000. 2009-2010.

Spanish Ministry of Industry, Tourism and Trade via Acciona Energy. “Logistics Models for Hydrogen Supply and Distribution,” €290,000. 2007-2010.

USAID | DELIVER. “Supply Chain Segmentation.” Collaborator: Laura Rock Kopczak. \$75,000. 2007-2008.

European Commission via InnovAragón. “Intelligent Supply Chain Labs,” Partners: DHL Innovation Center, DHL-Exel Supply Chain Iberia. €250,000. 2006-2008.

## **Invited Presentations (Selection)**

*Invited presentations at INFORMS and POMS Conferences are not detailed.*

December 11, 2019, “Analytics in Government Emergency Response: Applications at the Federal Emergency Management Agency (FEMA),” Hanken School of Economics, Helsinki, Finland.

November 18, 2019, “Frontier Research in Humanitarian Supply Chains,” Ningbo Supply Chain Innovation Institute, Ningbo, China.

September 17, 2019, “Bouncing Back Better: Surviving Disasters Through Resilient and Adaptable Supply Chains,” with Kathy Fulton and Philip Palin. Council of Supply Chain Management Professionals (CSCMP) Annual Conference, Anaheim, California.

March 20, 2019, “MIT applied research enabling private sector supply chains to meet human needs,” Supply Chain for Good, MIT Alumni Event, Vulcan, Inc., Seattle, WA.

October 2, 2018, "A Discussion of Public-Private Coordination in Post-Disaster Supply Chains," with Kathy Fulton and Kevin Smith, Council of Supply Chain Management Professionals (CSCMP) Annual Conference, Nashville, TN.

September 6, 2018, "Aligning Public and Private Supply Chains for Disaster Response," FEMA PREPTalk, George Washington University, Washington, DC.

September 6, 2018, "Reflections on Operational Engagement During Disasters," Workshop on Medical Product Shortages During Disasters, National Academies of Sciences, Engineering, and Medicine, Washington, DC.

July 19, 2018, "Advances in Software for Supply Chain Management in Health & Humanitarian Space," with Alexis Strader, Conference on Health and Humanitarian Logistics, Copenhagen, Denmark.

June 21, 2018, "Building a Coalition to Strengthen Supply Chains in Africa," Africa Resource Centre Partnership Forum, Lagos, Nigeria.

June 1, 2018, "Understanding and Engaging Private Sector Agents in Humanitarian Supply Chains." Logistics Cluster Global Meeting, Washington, DC.

June 1, 2018, "Developing Supply Chain Talent and Innovation in Africa," Logistics Cluster Global Meeting, Washington, DC.

September 28, 2017, "Improved Packaging Technology for Humanitarian Assistance," USAID Innovation Marketplace.

September 26, 2017, "The Hurricane Crisis: A Nation Responds," with Kathy Fulton, Mickey Horner, Brent Hutto, and Mark Richards, Council of Supply Chain Management Professionals (CSCMP) Annual Conference, Atlanta, GA.

June 9, 2017, "Harnessing Capacity and Talent for Innovative Solutions and Research through Academic Partnerships," with Bam, L., Harsono, S. and Vandaele, N., Conference on Health and Humanitarian Logistics, Copenhagen, Denmark.

June 9, 2017, "Assessing the Opportunity to Develop Supply Chain Talent and Innovation in Africa," with Fatunde, O., Conference on Health and Humanitarian Logistics, Copenhagen, Denmark.

April 28, 2017, "Is Your Social Venture Ready for Scale?" Plenary Panel with Matthew Forti, Ella Gudwin, Valerie Mazon, and Teju Ravilochan. Scaling Development Ventures Conference, Cambridge, MA.

December 2, 2016, "Decision support for resource allocation," FEMA Analytics Community Brown Bag, Washington, DC.

November 11, 2016, "Research and Adaptation to Scale Adoption: Case Studies in Food Security," panel with Dieudonné Baributsa, Jim Bagwell, Johnson Kagoye, Greg Olson, and Bea Rogers. The Higher Education Solutions Network Technical Convening (TechCon), Cambridge, MA.

August 9, 2016, "Mapping and Monitoring the USAID/Uganda Systems Approach to Food Security," Presentation hosted by the US Global Development Lab and USAID Local Systems Community Group, Washington, DC.

June 9, 2016, "Improved Packaging Technology in the Food Aid Supply Chain," Plenary Panel with Jim Bagwell, Greg Olson, and Phil Villers, Humanitarian Technology (HumTech) Conference, Cambridge, MA.

February 11, 2016, “Emerging Issues in the Use of Data for African Development,” Plenary Panel, Conference on Data-Driven Development in Africa, Penn State University, University Park, PA.

December 2, 2015, “Supply Chains for small holder farmer crop storage technology in Uganda,” Malaysia Institute of Supply Chain Innovation, Kuala Lumpur, Malaysia.

October 30, 2015, “Humanitarian Supply Chains: Emergency Relief, Global Health, and Food Security,” Gordon College Convocation, Wenham, MA.

October 26, 2015, “Scaling up Malaria Rapid Diagnostic Tests in Private Sector Supply Chains in Uganda: Adapting Multi-Criteria Decision Analysis as a Methodology to Understand Decision-making and Preferences,” with Carland, C., Sreat, E., and Montibeller, G. American, Society of Tropical Medicine and Hygiene 64th Annual Meeting, Philadelphia, PA.

July 23, 2015, “Models and Metrics for Humanitarian Response Capacity: Case Studies of FEMA and Florida Division of Emergency Management Stockpiles” Standing Committee for the Centers for Disease Control and Prevention, Division of Strategic National Stockpile, National Academy of Medicine. Washington, DC.

May 14, 2015, “Consequences and Responses: Lessons From and For Nepal,” Panel with Michael Hooper, Daniele Lantagne, and Atul Pokharel. Harvard South Asia Institute, Cambridge, MA.

May 14, 2015, “Delivering Protective Equipment for the Liberia Ebola Response,” Keynote Address, Humanitarian Technology (HumTech) Conference, Cambridge, MA.

May 14, 2015, “Information Technology for Humanitarian Operations,” Panel moderator with Martijn Blansjaar, Keith Chibafa, and Jonathan Jackson, Humanitarian Technology (HumTech) Conference, Cambridge, MA.

April 11, 2015, “Reaching the Last Mile: Distribution Models for Energy Products,” panel with Shanti Kleiman, Greg Van Kirk, Laurens Friso, and Alex Hornstein, Scaling Development Ventures Conference, Cambridge, MA.

April 11, 2015, “Getting the Right Products to Scale: Technology Evaluation of Household Water Filters in India,” panel with Susan Murcott, Shuyue Liu, Corinne Carland, and Jonars Spielberg, Scaling Development Ventures Conference, Cambridge, MA.

April 4, 2015, “Building the African Supply Chain.” Plenary Panel with Issa Baluch, Willem Meyer, Ramamurthy Thiagarajan, Prashant Yadav. MIT Sloan Africa Innovate Conference, Cambridge, MA.

March 26, 2015, “Supply Chains for Relief and Development Converge: Ebola Response in Liberia,” with Michelle Niescierenko, Fletcher School, Tufts University, Somerville, MA.

February 7, 2015, “Global Health Technology.” Panelist with Priya Garg and Jonathan Jackson. MIT GlobeMed Conference on Grassroots Initiatives for Global Health, Cambridge, MA.

October 28, 2014, “Examining Ebola,” Panelist with Adia Benton, Jim Collins, Stephen Gire, Jeanne Guillemin, and Clapperton Mavhunga. MIT Global Health and Medical Humanities Initiative, Cambridge, MA.

June 5, 2014, “Transportation Market Analysis and Procurement Strategies in Developing Countries,” with Rancourt, M., Conference on Health and Humanitarian Logistics, Mexico City, Mexico.

June 4, 2014, “Advancing the Health & Humanitarian Logistics Profession,” with Keddem, C., Diallo, A., Blansjaar, M. and Turner, B., Conference on Health and Humanitarian Logistics, Mexico City, Mexico.

May 13, 2014, “Scaling Up Supply of Global Health Technologies.” Keynote Address, Humanitarian Technology (HumTech) Conference, Cambridge, MA.

May 17, 2014, “What will be your profession?” Commencement Address, Tabor College, Hillsboro, KS.

May 6, 2014, “Food Packaging and Logistics,” Joint Specialty Food Aid Harmonization Meeting, Tufts University, Boston, MA.

December 18, 2013, “Darfur Cash and Voucher Supply Chain Modeling,” with Russell, T., Interagency Cash and Voucher Supply Chain Workshop. Rome, Italy.

October 21, 2013, “Supply Chains to Save Lives and Improve Livelihoods,” with Lavery, M., Young Professionals Track, CSCMP Annual Conference, Denver, CO. [Ranked 11th best out of 175 sessions]

August 1, 2013, “The MIT Comprehensive Initiative for Technology Evaluation,” USAID Brownbag, Washington, DC.

June 4, 2013, “Forecasting for Disaster Preparedness and Response Planning,” with Jahre, M. and Heigh, I., Conference on Health and Humanitarian Logistics, Kuala Lumpur, Malaysia.

May 2, 2013, “Risk-Taking Research in Humanitarian Response.” POMS College on Humanitarian Operations and Crisis Management Mini-Conference, Denver, CO.

March 26, 2013, “Innovation in Humanitarian Response,” University of Andres Bello, Santiago, Chile.

March 2, 2013, “Innovation in Humanitarian Response,” MIT-Gordon College Humanitarian Logistics Conference, Wenham, MA.

December 11, 2012, “Simulating Tomorrow’s Supply Chain Today,” with Bradley, R., 2012 Winter Simulation Conference, Berlin, Germany.

September 24, 2012, “Field Based Decision Makers Information Needs in Sudden Onset Disasters,” Workshop hosted by UN OCHA, Geneva, Switzerland.

July 24, 2012, “Managing Supply Chains for Specialized Nutrition Products,” Workshop hosted by World Food Programme, Rome, Italy.

March 26, 2012, “Taxonomy of Simulation and Gaming in the Humanitarian Sector,” Boston University, Boston, MA.

March 22, 2012, “Information and Communication Technology for Logistics Decisions,” Conference on Health and Humanitarian Logistics, Hamburg, Germany.

March 5, 2012, “Experiences with Practical Research in Humanitarian Response,” University of São Paulo, Brazil.

February 10, 2012, “Prioritizing Resource Deployment in a Humanitarian Response,” Syracuse University, Syracuse, NY.

January 17, 2012, “Training through Simulation and Games.” Workshop of the Humanitarian Assistance Research Thought Leaders, Hamburg, Germany.



January 16, 2012, “Research Ideas and Priorities.” Workshop of the Humanitarian Assistance Research Thought Leaders, Hamburg, Germany.

June 4, 2011, “Emergence of the Humanitarian Logistics Profession,” World Conference on Humanitarian Studies, Medford, MA.

June 3, 2011, “Transportation Management in Humanitarian Aid,” with Gralla, E. and Rancourt, M., World Conference on Humanitarian Studies, Medford, MA.

May 9, 2011, “Coordinating Crisis Response Supply Chains: an International Perspective.” LogCon 2011 presented by the Regional Logistics Program of NY-NJ-CT-PA and Department of Homeland Security, Mahwah, NJ.

March 22, 2011, “Characterizing the Transportation Marketplace,” Food Management Improvement Program Conference organized by Government of Ethiopia DRMFS and WFP, Nazret, Ethiopia.

March 16, 2011, “Unity of Effort without Unity of Command: How Technology Can Help USAID,” 2011 Homeland Protection Workshop, MIT Lincoln Laboratory, Lexington, MA.

March 3, 2011, “Technology to Improve Logistics Decisions,” Conference on Health and Humanitarian Logistics, Atlanta, GA.

December 2, 2010, “The Logistics of Humanitarian Aid and Sustainable Development,” Gordon College, Wenham, MA.

November 17, 2010, “Optimizing the Enterprise,” Joint Europe/Africa Deployment and Distribution Conference, Sonthofen, Germany.

October 29, 2010, “Supply Chain Creating Sustainability,” Keynote, Forum on Sustainability in Supply Chains, Hanken School of Economics, Helsinki, Finland.

September 23, 2010, “Humanitarian Logistics: The Challenges of the Relief Effort in Haiti,” with Kempton, K., New England Roundtable of CSCMP, Boston, MA.

September 22, 2010, “Maternal and Child Health and HIV/AIDS,” Third UN Private Sector Forum, New York, NY.

August 18, 2010, “What’s Happening with Wind,” Invited Guest, The Exchange, New Hampshire Public Radio.

July 29, 2010, “Economic Analysis of Wind Plant and Battery Storage Operation using Supply Chain Management Techniques,” with Saran, P. and Siegert, C., IEEE Power Engineering Society General Meeting, Minneapolis, MN.

July 12, 2010, “Hydrogen Production Facility Network Design with Stochastic Wind Energy Supply and Nodal Pricing,” with Barnett Lawton, J. and Menezes, M., Invited Session, European Conference on Operational Research EURO XXIV, Lisbon, Portugal.

June 9, 2010, “Haiti Earthquake Multi-Sector Assessment,” 2010 Interagency Logistics Symposium sponsored by the USTRANSCOM Joint Interagency Coordination Group, Scott Air Force Base, IL.

June 9, 2010, “Hydrogen Production Facility Network Design with Stochastic Wind Energy Supply and Nodal Pricing,” with Barnett Lawton, J. and Menezes, M., ALIO-INFORMS Conference, Buenos Aires, Argentina.

May 19, 2010, "Faster vs. Better: Experiences from the Haiti Earthquake Response," with Gralla, E., Humanitarian Speaker Series, Cambridge, MA.

March 29, 2010, "Post Hurricane Logistics: The Right Stuff at the Right Time," National Hurricane Conference, Orlando, FL.

November 19, 2009, "Strategy Development for Public Health Supply Chains: Case Studies from Ghana and Burundi," Global Health Research Brown Bag, Cambridge, MA.

November 17, 2008, "Transatlantic Research and Innovation," EU/US Research and Education Workshop (Official Event of the French Presidency of the European Union), Atlanta, GA.

November 10, 2008, "How many supply chains do you need to meet healthcare for all?" World Bank Human Development Forum, Washington, D.C.

October 27, 2008, "Business Disruption," Wisconsin Preparedness Forum II, Madison, WI.

October 6, 2008, "Matching Supply and Need in Resource-Constrained Settings," CSCMP Annual Global Conference, Denver, CO.

May 8, 2008, "MIT's Supply Chain 2020 Project," 9th Annual Supply Chain Symposium, CSCMP Delaware Valley Roundtable, Malvern, PA.

April 10, 2008, "In Transit Visibility," DHL Innovation Center and MIT-Zaragoza Symposium, Moderator, Bonn, Germany.

December 6, 2007, "Supply Chain Science," International Press Day, DHL Innovation Center, Bonn, Germany.

July 10, 2007, "Supply Networks in 2020," 12th International Symposium on Logistics, Budapest, Hungary.

November 16, 2006, "MIT-Zaragoza: A New Model for Supply Chain Research and Education," Conference on European Logistics Infrastructure, Italian Association of Logistics and Supply Chain Management (AIILOG), Torino, Italy.

November 8, 2006, "Supply Networks in 2020," Optiant User Forum, Frankfurt, Germany.

May 10, 2006, "The Role of Large-Scale Logistics Parks in Global Supply Chains," Foro Global de Logística y Comercio Internacional, Panama City, Panama.

April 25, 2006, "Justifying Investment in Information Technology for Humanitarian Logistics," Humanitarian Logistics Conference hosted by the Fritz Institute, Geneva, Switzerland.

June 21, 2005, "Characterization of Inventory as Proportional to Throughput with Implications for Supply Chain Network Design," EurOMA Conference, Budapest, Hungary.

June 19, 2005, "Strategic Deployment of Specialized Testing and Remanufacturing in a Global Network of Contract Manufacturers," with Pibernik, R, Manzione, L.T., Pruett, J., and Thiessen, B., EurOMA Conference, Budapest, Hungary.

May 18, 2005, "Supply Chain Management," SIL 2005: International Logistics Exhibition, Barcelona, Spain.

April 25, 2005, "Tsunami Relief Supply Chain Survey," Humanitarian Logistics Conference hosted by the Fritz Institute, Geneva, Switzerland.

April 14, 2005, "Very Current Research on Supply Chain Management," Pilot International Forum, Zaragoza, Spain.

February 18, 2005, "The Challenge of the Future Supply Chain," IMEX05, an annual forum on international commerce, Madrid, Spain.

October 2004, "Engineering the Supply Chain," with Caplice, C., Annual Meeting of the Council for Logistics Management, Philadelphia, PA.

September 9, 2004, "Supply Chain 2020: Predicting the Supply Chain of the Future," with Lapide, L., *Proceedings of the Logistics Research Network 9th Annual Conference*, University College, Dublin, Ireland.

March 11, 2004, "Zaragoza Referente Mundial en Logística," with Sheffi, Y. and Larrodé, E., MIT Club of Spain, Madrid, Spain.

January 20, 2003, "Technology to Enable Logistics Optimization," Fleet Management Institute (National Private Truck Council), Atlanta, GA.

August 2002, "Technology Trends Affecting the Logistics Landscape," Kentuckiana CLM Roundtable, Louisville, KY.

June 2000, "Accelerating E-Fulfillment through Supply Chain Software Solutions," European Supply Chain Summit.

April 2000, "Supply Chain Strategies in a Global Corporation," Tilburg University, The Netherlands.

October 1999, "Modeling Methods for Supply Chain Design," Smeal College of Business Administration, Pennsylvania State University, University Park, PA.