

JENNIFER A. PAZOUR

Rensselaer Polytechnic Institute, Department of Industrial and Systems Engineering,
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ACADEMIC EXPERIENCE

Assistant Professor (Aug. 2015 – present) Department of Industrial and Systems Engineering, Rensselaer Polytechnic Institute, Troy, NY.

Assistant Professor (Aug. 2011 – Aug. 2015) Department of Industrial Engineering and Management Systems, University of Central Florida, Orlando, FL.

CAE Link Faculty Fellow (July 2012 – August 2014) Department of Industrial Engineering and Management Systems, University of Central Florida, Orlando, FL.

Doctoral Research Assistant (Aug. 2006 – May 2011) Department of Industrial Engineering, University of Arkansas, Fayetteville, AR.

EDUCATION

Ph.D. in Industrial Engineering, University of Arkansas, May 2011

Dissertation Title: “*An Analytical Examination of Pharmaceutical Distribution and the Role of Order-Fulfillment Technology*”

Advisor: Russell D. Meller

M.S. in Industrial Engineering, University of Arkansas, May 2008

Thesis Title: “*A Model to Design a National High-Speed Network for Freight Distribution*”

Advisor: Russell D. Meller

B.S. in Industrial Engineering, South Dakota School of Mines & Technology, May 2006

Mathematics Minor

RESEARCH INTERESTS

My research is on the development and use of analytical models to guide decision making in service industries, which has focused on military logistics, distribution and transportation systems, healthcare logistics, and peer-to-peer resource sharing systems. My research has been published in many leading journals and supported by a Young Investigator Award from the Office of Naval Research, a Research Start-Up Grant from the Material Handling Institute, and the National Science Foundation.

PUBLICATIONS

* denotes student author.

Accepted Refereed Journal Articles

1. Ramtin, Faraz*, and **Pazour, Jennifer A.**, 2015 “SKU Assignment Problem for AS/RS with Multiple in-the-Aisle Pick Positions,” *IIE Transactions*, 47, 1379-1396.
2. Ercan, Tolga*, Zhao, Yang*, Tatari, Omer and **Pazour, Jennifer A.**, 2015, “Optimization of Transit Bus Fleets Life Cycle Assessment Impacts With Alternative Fuel Options,” *Energy*, 93, 323-334.

3. **Pazour, Jennifer A.**, and Carlo, Hector J., 2015 “Warehouse Reshuffling: Insights and Optimization,” *Transportation Research Part E: Logistics and Transportation Review*, 73, 207-226.
4. Carrano, Andres, **Pazour, Jennifer A.**, Roy, Debjit, and Thorn, Brian, 2015, “Selection of Pallet Management Strategies based on Carbon Emissions Impact,” *International Journal of Production Economics* (Special Issue: Carbon-efficient Production, Supply Chains and Logistics), 164, 258-270.
5. **Pazour, Jennifer A.** and Roy, Debjit, 2015, “Analyzing Rental Vehicle Threshold Policies that Consider Expected Waiting Times for Two Customer Classes,” *Computers & Industrial Engineering*, 80, 80-96.
6. Jayaraman, Raja, Buyurgan, Nebil, Rardin, Ronald, Varghese, Vijith, and **Pazour, Jennifer A.** 2015, “An Exploratory Pilot Study on Supply Chain Data Standards in a Hospital Pharmacy,” *Engineering Management Journal* (Special Issue on Healthcare Systems), 27, 141-151.
7. Ramtin, Faraz*, and **Pazour, Jennifer A.**, 2014, “Analytical Models for an Automated Storage and Retrieval System with Multiple in-the-Aisle Pick Positions,” *IIE Transactions*, 46, 968–986. (**Featured Article**)
8. Roy, Debjit, **Pazour, Jennifer A.** and de Koster, René, 2014 “A Novel Approach for Designing Rental Vehicle Repositioning Strategies,” *IIE Transactions* 46, 948–967.
9. Bozorgi, Ali*, **Pazour, Jennifer A.**, and Nazzal, Dima, 2014, “A New Inventory Model for Cold Items that Considers Costs and Emissions,” *International Journal of Production Economics*, 155, 114-125. (Special Issue: Celebrating a century of the economic order quantity model).
10. **Pazour, Jennifer A.** and Neubert, Lucas C., 2013, “Routing and Scheduling of Cross-Town Drayage Operations at J.B. Hunt Transport,” *Interfaces*, 43, 117-129.
11. **Pazour, Jennifer A.** and Meller, Russell D., 2013 “The Impact of Batch Retrievals on Throughput Performance of a Carousel System Serviced by a Storage and Retrieval Machine,” *International Journal of Production Economics*, 142, 332-342.
12. **Pazour, Jennifer A.** and Meller, Russell D., 2012, “A Multiple-Drawer Medication Layout Problem in Automated Dispensing Cabinets,” *Health Care Management Science*, 15, 339–354.
13. **Pazour, Jennifer A.** and Meller, Russell D., 2011, “An Analytical Model for A-Frame System Design,” *IIE Transactions* 43, 739–752.
14. **Pazour, Jennifer A.**, Root, Sarah E., Meller, Russell D., Thomas, Lisa M., and Mason, Scott J., 2013 “Selecting and Allocating Repackaging Technology for Unit-Dose Medications in Hospital Pharmacies,” *International Journal of Innovation and Technology Management* 10, 1-22.
15. Meller, Russell D., **Pazour, Jennifer A.**, Thomas, Lisa M., Mason, Scott J., Root, Sarah E. and Churchill, William W., 2010, “The Case for Third-Party Repackaging in Hospital Pharmacy Unit-Dose Acquisition,” *American Journal of Health-System Pharmacy* 67, 1108–1114.
16. Mason, Scott J., Thomas, Lisa M., Meller, Russell D., **Pazour, Jennifer A.**, and Root, Sarah E., 2010, “Survey of Hospital Pharmacy Directors: Assessment of the Current State of Unit-Dose Acquisition,” *The Journal of Pharmacy Technology* 26, 3–8.

17. **Pazour, Jennifer A.**, Meller, Russell D. and Pohl, Letitia M., 2010, "A Model to Design a National High-Speed Rail Network for Freight Distribution," *Transportation Research Part A* 44, 119–135.

Working Papers

1. Reilly, Patrick*, **Pazour, Jennifer A.**, and Schneider, Kellie, "Propagation of Unit Location Uncertainty in Dense Storage Seabasing Environments," submitted to a journal.
2. Awwad, Mohamed*, and **Pazour, Jennifer A.**, "Search plan for a single item in an inverted T k-deep storage system," under revisions to a journal.
3. Roy, Debjit, Carrano, Andres, **Pazour, Jennifer A.**, and Gupta, Akash* "Cost-Effective Pallet Management Strategies," under revisions to a journal.
4. Scala, Natalie, and **Pazour, Jennifer A.**, "A Value Model for Asset Tracking Technology to Support Naval Sea-based Resupply," submitted to a journal.
5. Tornese, Fabiana*, Carrano, Andres L, Thorn, Brian K, **Pazour, Jennifer A.**, Roy, Debjit, "Carbon Footprint Analysis of Pallet Remanufacturing," under revisions to a journal.

Refereed Conference Proceedings

1. **Pazour, Jennifer A.** and Meller, Russell D., 2011, "Applying a Throughput Stability-Condition Model to a Picking Machine," *Proceedings of the 2011 Industrial Engineering Research Conference*.
2. Jayaraman, Raja, Rardin, Ronald, Buyurgan, Nebil, Varghese, Vijith, Burbano, Angelica, **Pazour, Jennifer** Lehlou, Nabil, Hajiyev, Ashraf and Dixon, Danny, 2011, "Data Standards in Healthcare Supply Chain Operations," *Proceedings of the 2011 Industrial Engineering Research Conference*.
3. Meller, Russell D. and **Pazour, Jennifer A.**, 2008, "A Heuristic for SKU Assignment and Allocation in an A-Frame System," *Proceedings of the 2008 Industrial Engineering Research Conference*, 770–775.

Conference Proceedings (Refereed Abstracts)

1. Roy, Debjit, **Pazour, Jennifer A.**, and de Koster, René, 2012, "Design of Repositioning Policies to Maximize Vehicle Rental Profits," *Proceedings of the 4th Production & Operations Management World Conference*.
2. Meller, Russell D. and **Pazour, Jennifer A.**, 2008, "A Model to Design a National Maglev Network for Freight Distribution," *Proceedings of the 2008 International Conference on Magnetically Levitated Systems and Linear Drives*, San Diego, CA.

Book Chapters

1. **Pazour, Jennifer A.** and Meller, Russell D., 2014, "A Framework and Analysis to Inform the Selection of Piece-Level Order-Fulfillment Technologies," *Progress in Material Handling Research: 2014*, Material Handling Institute, Charlotte, NC.
2. **Pazour, Jennifer A.** and Meller, Russell D., 2013, "Exploring the Parallels Between a Hospital Pharmacy and a Distribution Center," in P. Pardalos, P. Georgiev, P. Papajorgi, and B. Neugaard (Eds.), *Systems Analysis Tools for Better Healthcare Delivery* 74, 131–150.

3. **Pazour, Jennifer A.** and Meller, Russell D., 2012, “Modeling the Inventory Requirement and Throughput Performance of Picking Machine Order-Fulfillment Technology,” *Progress in Material Handling Research: 2012*, Material Handling Institute, Charlotte, NC, 12, 429–445.
4. Meller, Russell D. and **Pazour, Jennifer A.**, 2008, “An Optimization Model for A-Frame System Design with an Application to Pharmaceutical Distribution,” *Progress in Material Handling Research: 2008*, Material Handling Institute, Charlotte, NC, 10, 403–416.

Other Research Publications

1. Thomas, Lisa M., Meller, Russell D., **Pazour, Jennifer A.**, Mason, Scott J. and Root, Sarah E., 2008, “Tutorial for a Tool to Support the Best Selection of Technology for Unit-Dose Packaging,” Report Series 08-03, Center for Innovation in Healthcare Logistics, University of Arkansas.
2. Meller, Russell D. and **Pazour, Jennifer A.**, 2008, “Picking Machine Systems and Their Competitive Position,” White Paper for C/VLM Working Group of the AS/RS Product Selection of MHIA.

PROPOSAL FUNDING

Funded Proposals

1. Pazour, Jennifer A. (PI), “EAGER: Improving Resource Utilization Through Peer-to-Peer Resource Sharing Systems,” National Science Foundation, \$150,000, 2 years (Sept 2015-Aug 2017).
2. Pazour, Jennifer A. (PI), “Research Startup Grant,” Material Handling Institute, \$15,000 (January 2014-December 2014).
3. Pazour, Jennifer A. (PI), “Young Investigator Proposal: The Design of Responsive Sea-Based Logistics Delivery Systems,” Office of Naval Research, \$509,100, 3 years (May 2013 - May 2016).
4. Pazour, Jennifer A. and Tatari, Omer, “Assessing and Optimizing the Environmental and Financial Impacts of Reverse Logistics: A Life Cycle Based Decision Making Analysis,” Collaborative Research Grant from UCF’s College of Engineering and Computer Science, \$10,000, 1 year (2011).

PRESENTATIONS and POSTERS

Invited Seminar Presentations

1. Disaster Response Logistics Workshop, RPI Civil & Environmental Engineering Department, Spring 2016
2. Center for Security Printing and Anti-Counterfeiting Technology (SPACT), Fall 2015
3. Oklahoma State University, Industrial Engineering and Management Seminar Series, Spring 2015
4. Veterans Administration Systems Engineering Knowledge Area Seminar, Spring 2015
5. Auburn University, Industrial and Systems Engineering Seminar Series, Fall 2014
6. Northeastern University Department of Mechanical & Industrial Engineering Research Seminar Series, Fall 2013
7. University of Florida Department of Industrial and Systems Engineering Research Seminar Series, Fall 2013

8. UCF College of Engineering and Computer Science, College Wide Faculty Meeting, Fall 2013

Conference Presentations

1. **Pazour, Jennifer A.**, “Characterizing on-demand, peer-to-peer logistics sharing system”, in the Transportation Research Board Workshop on On-Demand Systems for Freight, Washington D.C., 2016.
2. Ramtin, Faraz*, and **Pazour, Jennifer A.**, “Storage Location And Pick Position Assignment Problem For MIAPP-AS/RS,” INFORMS Annual Conference, Philadelphia, PA, Nov. 2015.
3. **Pazour, Jennifer A.**, “Distribution Operations with Item Location Uncertainty,” INFORMS Annual Conference, Philadelphia, PA, Nov. 2015.
4. Roy, Debjit, Dhingra, Vibhuti*, and **Pazour, Jennifer A.**, “Batching Decisions in Stock-to-Picker Order Picking,” INFORMS Annual Conference, Philadelphia, PA, Nov. 2015.
5. Scala, Natalie, and **Pazour, Jennifer A.**, “Automated Identification Technology Devices For Naval Seabasing,” INFORMS Annual Conference, Philadelphia, PA, Nov. 2015.
6. Mofidi, Shahab*, and **Pazour, Jennifer A.**, “Responsiveness Improvements In Inventory Management Systems With Imperfect Information,” INFORMS Annual Conference, Philadelphia, PA, Nov. 2015.
7. **Pazour, Jennifer A.**, “The Impact of Imperfect Visibility on Sea-Based Logistics Decisions,” Industrial Engineering Research Conference, Nashville, TN June 2015.
8. Scala, Natalie, and **Pazour, Jennifer A.**, “A Decision Model for Identification Technology Devices for Naval Seabasing,” Industrial Engineering Research Conference, Nashville, TN June 2015.
9. Mofidi, Shahab*, and **Pazour, Jennifer A.**, “Order-Fulfillment Decisions with Imperfect Visibility,” Industrial Engineering Research Conference, Nashville, TN June 2015.
10. Ramtin, Faraz*, and **Pazour, Jennifer A.**, “Simultaneous storage location and pick position assignment problem for MIAPP-AS/RS,” Industrial Engineering Research Conference, Nashville, TN June 2015.
11. **Pazour, Jennifer A.**, “The Design of Responsive Sea-Based Logistics Delivery Systems,” Military Operations Research Society Symposium, June 2015.
12. Ramtin, Faraz*, and **Pazour, Jennifer A.**, “Optimal Assignment Models for AS/RS with Multiple In-the-Aisle Pick Positions,” INFORMS Annual Conference, San Francisco, CA, Nov. 2014.
13. Reilly, Patrick*, and **Pazour, Jennifer A.**, “Propagation of Uncertainty in Dense Storage Environments,” INFORMS Annual Conference, San Francisco, CA, Nov. 2014.
14. **Pazour, Jennifer A.**, “Analytical Models for Sea-Based Logistics Operations,” INFORMS Annual Conference, San Francisco, CA, Nov. 2014.
15. Bozorgi, Ali*, **Pazour, Jennifer A.**, and Nazzal, Dima, “A Multi-Product Inventory Model of Cold Items Considering Supply Chain Costs and Emissions,” INFORMS Annual Conference, San Francisco, CA, Nov. 2014.

16. **Pazour, Jennifer A.**, “Design of Responsive Sea-Based Logistics Delivery Systems with Imperfect Visibility,” Industrial Engineering Research Conference, Montreal, Canada June 2014.
17. Awwad, Mohamed* and **Pazour, Jennifer A.**, “Modeling Dense Storage Systems with Location Uncertainty,” Industrial Engineering Research Conference, Montreal, Canada June 2014.
18. Scala, Natalie and **Pazour, Jennifer A.**, “Decision Analysis for Automatic Identification Technology Devices in Naval Seabasing,” Industrial Engineering Research Conference, Montreal, Canada June 2014.
19. Ramtin, Faraz* and **Pazour, Jennifer A.**, “Models for Automated Storage and Retrieval Systems with Multiple In-the-aisle Pick Positions,” INFORMS Annual Conference, Minneapolis, MN, Oct. 2013.
20. Bozorgi, Ali*, **Pazour, Jennifer A.**, and Nazzal, Dima, “A New Inventory Model of Cold Items Considering Supply Chain Emissions,” INFORMS Annual Conference, Minneapolis, MN, Oct. 2013.
21. Bozorgi, Ali*, Nazzal, Dima, and **Pazour, Jennifer A.**, “Inventory Model of Cold Logistics with Sustainability Considerations,” Industrial Engineering Research Conference, San Juan, PR, May 2013.
22. **Pazour, Jennifer A.** and Roy, Debjit, “Modeling Priority Service and Repositioning Strategies,” Industrial Engineering Research Conference, San Juan, PR, May 2013.
23. Noori, Mehdi*, Tatari, Omer, and **Pazour, Jennifer A.** “Eco-Efficiency Analysis of Product Return Strategies,” Industrial Engineering Research Conference, San Juan, PR, May 2013.
24. **Pazour, Jennifer A.** and Carlo, Hector, “Solving the Reshuffling Problem in a Distribution Center,” INFORMS Annual Conference, Phoenix, AZ, Oct. 2012.
25. **Pazour, Jennifer A.** and Meller, Russell D., “A Multiple-drawer Medication Layout Problem in Automated Dispensing Cabinets,” INFORMS Annual Conference, Phoenix, AZ, Oct. 2012.
26. HajiAghaBozorgi, Ali*, Nazzal, Dima, and **Pazour, Jennifer A.**, “Sustainable Supply Chain Network Design,” INFORMS Annual Conference, Phoenix, AZ, Oct. 2012.
27. **Pazour, Jennifer A.** and Roy, Debjit, “Maximizing Rental Fleet Profitability using Repositioning Strategies,” Industrial Engineering Research Conference, Orlando, FL, May 2012.
28. **Pazour, Jennifer A.**, Tatari, Omer, and Ramtin, Faraz, “Sustainable Product Returns: A Life Cycle Based Decision Making Analysis,” Industrial Engineering Research Conference, Orlando, FL, May 2012.
29. **Pazour, Jennifer A.**, and Meller, Russell D., “An Optimization-Based Planning Tool for the Selection of Piece-Level Order-Fulfillment Technologies,” INFORMS Annual Conference, Charlotte, NC, Nov. 2011.
30. **Pazour, Jennifer A.** and Meller, Russell D., “Modeling the Throughput Performance of a Picking Machine Order-Fulfillment Technology,” INFORMS Annual Conference, Austin, TX, Nov. 2010.

31. **Pazour, Jennifer A.** and Meller, Russell D., “An Analytical Examination of Pharmaceutical Distribution and the Role of Order-Fulfillment Technology,” (*First Place Student Research Poster Competition*) NSF Leadership Conference on Healthcare Systems Engineering and Education, Fayetteville, AR, May 2010.
32. Burbano, Angelica, Buyurgan, Nebil, Hajiyev, Ashraf, Jayaraman, Raja, Lehlou, Nabil, **Pazour, Jennifer A.**, Rardin, Ronald and Varghese, Vijith, “GS1 Standards in Healthcare,” (*Honorable Mention Student Research Poster Competition*) NSF Leadership Conference on Healthcare Systems Engineering and Education, Fayetteville, AR, May 2010.
33. **Pazour, Jennifer A.** and Meller, Russell D., “Analysis of a Picking Machine,” INFORMS Annual Conference, San Diego, CA, Oct. 2009.
34. **Pazour, Jennifer A.** and Meller, Russell D., “An Analytical Model for A-Frame System Design,” Industrial Engineering Research Conference, Miami, FL, May 2009.
35. Root, Sarah E., **Pazour, Jennifer A.**, Thomas, Lisa M., Mason, Scott J. and Meller, Russell D., “Unit Dose Repackaging Systems Analysis,” Industrial Engineering Research Conference, Miami, FL, May 2009.
36. **Pazour, Jennifer A.** and Meller, Russell D., “Pharmaceutical A-Frame Order Fulfillment Optimization and Throughput Models,” INFORMS Annual Conference, Washington, DC, Oct. 2008.
37. Meller, Russell D., Mason, Scott J., Root, Sarah E., **Pazour, Jennifer A.** and Thomas, Lisa M., “Unit Dose Packaging Systems Analysis,” INFORMS Annual Conference, Washington, DC, Oct. 2008.
38. **Pazour, Jennifer A.** and Meller, Russell D., “A Heuristic for SKU Assignment and Allocation in an A-Frame System,” Industrial Engineering Research Conference, Vancouver, BC, May 2008.
39. **Pazour, Jennifer A.** and Meller, Russell D., “A Model to Develop a National High-Speed Network for Freight Distribution,” Invited Presentation to J.B. Hunt, Lowell, AR, Feb. 2008.
40. **Pazour, Jennifer A.**, Meller, Russell D., and Gue, Kevin, R., “A National High-Speed Network for Freight Distribution,” INFORMS Annual Conference, Seattle, WA, Nov. 2007.
41. Meller, Russell D. and **Pazour, Jennifer A.**, “Consumer Products and Healthcare: A Tale of Two Supply Chains,” INFORMS Annual Conference, Seattle, WA, Nov. 2007.

TEACHING INTERESTS

My teaching interests focus on undergraduate and graduate-level operations research, supply chain and logistics, and service operations courses. My teaching has been recognized with the 2013 Most Outstanding Faculty Member voted on by UCF IIE students.

Primary Instructor

University	Course Number	Course Title	Credits	Class	Semester	# of Students	Overall Assessment of Instructor (out of 5.0)	TA Support
RPI	ISYE 4210/6600	Supply Chain Design	3	UG/Grad	Fall 2015	39	4.54	Yes
UCF	EIN 5346	Engineering Logistics	3	Grad	Spring 2015	37	4.72	No
UCF	EIN 4545	IE Applications in the Service Industries	3	U.G.	Fall 2014	51	4.59	Yes
UCF	ESI 5306	Operations Research	3	Grad.	Fall 2014	45	4.64	No
UCF	EIN 6336	Production & Inventory Control	3	Grad.	Spring 2014	36	4.62	No
UCF	EIN 4545	IE Applications in the Service Industries	3	U.G.	Fall 2013	67	4.45	Yes
UCF	EIN 6336	Production & Inventory Control	3	Grad.	Spring 2013	19	4.88	No
UCF	ESI 5306	Operations Research	3	Grad.	Fall 2012	50	4.58	No
UCF	EIN 4545	IE Applications in the Service Industries	3	U.G.	Fall 2012	38	4.67	No
UCF	EIN 6336	Production & Inventory Control	3	Grad.	Spring 2012	35	4.85	No
UCF	ESI 5306	Operations Research	3	Grad.	Fall 2011	41	4.13	No
Arkansas	INEG 3413	Engineering Economic Analysis	3	U.G.	Summer 2009	13	4.70	Yes

STUDENT MENTORING

Ph.D. Dissertation (Served as Chair)

1. Ali Bozorgi, "Inventory Management Problems for Cold Items with Environmental and Financial Considerations," University of Central Florida, Defended Spring 2014, (co-chaired with Dr. Dima Nazzal).
Initial Career Placement: Post Doctorate Fellow at Clemson University.
2. Faraz Ramtin, "Modeling and Analysis of Automated Storage and Retrieval Systems with Multiple in-the-aisle Pick Positions," University of Central Florida, Defended Spring 2015.
Initial Career Placement: Visiting Assistant Professor, University of Central Florida.
3. Mohamed Awwad, "Modeling Dense Storage Systems with Location Uncertainty," University of Central Florida, Defended Fall 2015.
Initial Career Placement: Visiting Assistant Professor, Florida Polytechnic University.
4. Tabitha Arcila, Proposed Topic: Modeling Appointment and Scheduling Problems in the Sharing Economy, University of Central Florida.
5. Shahab Mofidi, (UCF-RPI) Proposed Topic: Logistical decision making in environments that exhibit item location uncertainty
6. Uzma Mushtaque, (RPI) Proposed Topic: Modeling Customer Selection Behavior in an E-Commerce Environment.
7. Yuan (Eric) Meng, (RPI) Proposed Topic: Bi-Level Modeling of Peer-to-Peer Resource Sharing Systems.

M.S. Thesis (Served as Chair)

1. Patrick Reilly, “Propagation of Unit Location Uncertainty in Dense Storage Environments,” University of Central Florida, Defended Spring 2015.
Initial Career Placement: High School Advanced Mathematics Instructor in Orange County School District.

Undergraduate Research Experience (Served as Primary Faculty Member Supervisor) Rensselaer Polytechnic Institute

1. Joan Climes, Fall 2015 – current; The Design of a Retail and E-Commerce Fulfillment Center
2. Dayou Wang, Fall 2015 – current; Modeling Supply and Demand in Sharing Economy Applications
3. Benjamin Asamoah, Spring 2016; Network Optimization with Unknown Topology
4. Ian Shin, Spring 2016; Modeling Logistics Operations in a Seabased Environment
5. Carly Mannino, Spring 2016; Resource Sharing Systems for Disaster Management Shaeed McLeod, Spring 2016; Competitive Landscape Analysis for On-Demand Peer-to-Peer Logistics Systems
6. Corinne Skala, Fall 2015; Evaluation of Asset Tracking Technologies for Sea-based Logistics Operations;
7. Zlata Chernyshenko, Fall 2015; Modeling of Depleting Dense Storage Systems
8. Dede Dolkar, Fall 2015; Understanding On-Demand Peer-to-Peer Supply Chain and Logistics Systems
9. Chantal Chan, Fall 2015; Understanding On-Demand Peer-to-Peer Supply Chain and Logistics Systems

University of Central Florida

1. Catherine Ninah, Fall 2014-Summer 2015; Internal Cargo Flow for Sea-based Logistics Operations; I-Cubed Student
2. Alex Royce, Spring 2015; Internal Cargo Flow for Sea-Based Logistics Operations; EXCEL Student
3. Kristin Elias, Summer 2014-Fall 2014; Topic: Active learning module development using personal response system data
4. Mohmoud Sbeih, Summer 2014-Spring 2015; Topic: Matching Protocols in Peer-to-Peer Resource Sharing Systems; EXCEL Student
5. Whitney Anderson, Spring 2014; Topic: Piece-Level Order-Fulfillment Technology Selection; EXCEL Student
6. Christopher Huber, Spring 2014; Topic: Military Sea-Based Logistics; EXCEL Student
7. Alan Lorenzana, Spring 2014; Topic: Dense Storage and Selective Offloading Systems; EXCEL Student
8. Jessica Cleveland, Fall 2013; Topic: Operations Research Applications in Healthcare
9. Steven Kuba, Fall 2013-Spring 2014; Topic: Sea-Based Logistics Models
10. Patrick Reilly, Fall 2013-present; Topic: Sea-Based Logistics Models
11. Daniel Washburn, Fall 2013; Topic: Reshuffling Problem in Warehouses with Multiple Resources
12. Brandon Finley, Summer 2013-present; Topic: Sea-Based Logistics Models
13. Katheryn Stephens, Summer 2013; Sea-Based Logistics Models; Georgia Institute of Technology Student
14. Valeria Saetta, Fall 2012-Summer 2013; Topic: Management of Underutilized Resources
15. Auree Postell, Spring 2013; Topic: Revenue Management in Services; EXCEL Student

16. Margot Tejera, Spring 2013; Topic: Sustainable Supply Chains
17. Monica Perez, Spring 2013; Topic: Sustainable Supply Chains; EXCEL Student
18. Yasmina Elmorabit, Spring 2013; Topic: Recall Management; EXCEL Student

Ph.D. Dissertation (Served as Committee Member) University of Central Florida

1. Saeed Hadian, Ph.D. Civil Engineering in Fall 2013, Chair: Kaveh Madani
2. Murat Kucukvar, Ph.D. Civil Engineering in Fall 2013, Chair: Omer Tatari
3. Ahmed Elattar, Ph.D. IEMS in Fall 2013, Chair: Louis Rabelo
4. Wilawan Onkham, Ph.D. IEMS in Fall 2013, Chair: Louis Rabelo
5. Patty Buchanan, Ph.D. IEMS in Spring 2014, Chair: Chris Geiger
6. Talayeh Razzaghi, Ph.D. IEMS in Spring 2014, Chair: Petros Xanthopoulos
7. Yuping Huang, Ph.D. IEMS, in Fall 2014, Chair: Qipeng Zheng
8. Mousa Maimoun, Ph.D. Civil Engineering in Spring 2015, Chair: Debra Reinhart
9. Arash Asrari, Ph.D. EE in Spring 2015, Chair: Thomas Wu
10. Nuri C Onat, Ph.D. Civil Engineering in Summer 2015, Chair: Omer Tatari

M.S. Thesis (Served as Committee Member) University of Central Florida

1. Maher T Alshamkhani, MSIE in Spring 2013, Chair: Ahmad Elshennawy
2. Soroush Mokhtari, M.S. Civil Engineering in Spring 2013, Chair: Kaveh Madani
3. Siavash Haghtalab, MSIE in Spring 2014, Chair: Petros Xanthopoulos
4. Edwards Jimenez, M.S. Electrical Engineering, Chair: George Atia

HONORS and AWARDS

- 2016 IIE Transactions Focused Issue on Design and Manufacturing Best Applications Paper Award Competition, Honorable Mention
- 2016 Featured as 1 of 5 Thought Leaders in the Warehousing Education and Research Council Outlook
- 2015 UCF Award for Faculty Excellence in Mentoring Doctoral Students nominee
- 2013 Young Investigator Award from the Office of Naval Research
- 2013 Most Outstanding Faculty Member from the UCF IIE Student Chapter
- 2011 Industrial Engineering Graduate Student of the Year at the University of Arkansas
- 2010 Doctoral Dissertation Enhancement Project from the National Science Foundation
- 2010 Ray Gibson Memorial Scholarship from Material Handling Education Foundation (MHEF)
- 2009 INFORMS Future Academician Colloquium Attendee
- 2009 Gilbreth Memorial Fellowship from IIE
- 2009 IIE Doctoral Colloquium Attendee
- 2009 Ray Gibson Memorial Scholarship from MHEF
- 2008 Frazier Industrial Honor Scholarship from MHEF
- 2007 University of Arkansas Industrial Engineering Graduate Research Award
- 2007 Mack-Blackwell Rural Transportation Center Student of the Year
- 2007 Rack Manufacturers Institute Honor Scholarship from MHEF
- 2007 E.J. Sierleja Memorial Fellowship from IIE
- 2006 Doctoral Academy Fellowship (4 years), University of Arkansas Graduate School
- 2006 Senior Class Representative Speaker at SDSM&T Commencement

2006 Outstanding SDSM&T Industrial Engineering Student
2006 Tau Beta Pi National Fellowship
2006 SDSM&T IIE Upperclassman of the Year
2005 National UPS Service Scholarship for Female Students from IIE
2005 Tau Beta Pi National Scholarship
2005 SDSM&T Senior Class President and Student Association Student Affairs Chair
2004 SDSM&T Richardson Scholarship
2004 SDSM&T Junior Class President and Student Association Public Relations Chair
2004 SDSM&T IIE Underclassman of the Year

SERVICE ACTIVITIES

Service to Rensselaer Polytechnic Institute

- Member of the Industrial Engineering Undergraduate Curriculum Committee, Fall 2015 - current.
- Member of the Rensselaer Graduate Experience Committee, Fall 2015 - current.

Service to the University of Central Florida

- COMPASS and EXCEL professor, Fall 2012- Spring 2015.
- STATESS Mentor, Fall 2013-Fall 2015.
- Member of the Search Committee for Faculty Hire in Industrial Engineering and Management Systems, Fall 2012 - Spring 2013.
- Member of the Search Committee for UCF's Dean of the College of Engineering and Computer Science, Fall 2012 - Spring 2013.
- Member of the Industrial Engineering Graduate Admissions Committee, Summer 2014- Spring 2015.
- Member of the Industrial Engineering Undergraduate Curriculum Committee, Fall 2011 - Spring 2015.
- Member of the Industrial Engineering Graduate Committee, Spring 2012 - Summer 2012.
- Member of the Whitehouse Industrial Engineering Fellowship Committee, Fall 2011 - Spring 2015.
- Industrial Engineering Representative at College Open Houses for Prospective Students, Spring 2012- Fall 2014.
- Served on MSIE Oral Exams for Operations Research, Fall 2011, Spring 2012, and Fall 2012 (as chair), for Quality Engineering, Summer 2012 (as chair), Spring 2014, for general industrial engineering, Fall 2014 (as chair), and Spring 2015 (as chair).
- Served on Ph.D. Qualifying Exams for Industrial Engineering and Operations Research Tracks, Fall 2011, Spring 2012; for Advanced Engineering Economy, Fall 2012.
- Mentoring Network Series Guest Speaker at UCF's Girls EXCELLing in Math and Science (GEMS) program, November 2011, November 2012, March 2015.
- Industrial Engineering portion of Camp Connect for underrepresented middle and high school students, Summer 2012 (organized), Summer 2013, 2014, 2015 (participated).

Service to the Industrial Engineering Profession

- Peer Reviewed Papers for *Transportation Science*, *IIE Transactions*, *European Journal of Operational Research*, *Transportation Research Part A*, *Transportation Research Part E*, *IEEE Transactions on Automation Science and Engineering*, *Omega*, *Natural Hazards*, *Human Factors and Ergonomics in Manufacturing & Service Industries*, *International Journal of Production Research*, *Optimization Letters*, *International Journal of Production Economics*, *Computers and Industrial Engineering*, *Logistics Research*, *International Transactions in Operational Research*, *Applied Mathematical Modelling*, *Expert Systems with Applications*, *Flexible Services and Manufacturing*, and the 2008, 2009, 2011, 2012, and 2013 Industrial and Systems Engineering Research Conference.
- Council of Supply Chain Management Professional Central Florida Roundtable Member; 2012-2015 Scholarship Committee Member
- Session Chair for the 2013 and 2014 Industrial and Systems Engineering Research Conference
- Facility Logistics Track Chair for the 2015 Industrial and Systems Engineering Research Conference
- Facility Design and Planning Track Chair for the 2016 Industrial and Systems Engineering Research Conference
- Best Paper Award Committee Member for the 2013 INFORMS Transportation Science and Logistics Society
- Reviewed for the 2012 ASEE-SE New Faculty Research Award

PROFESSIONAL AFFILIATIONS

Institute of Industrial Engineers (IIE)

Member 2002–Current,

SDSM&T Vice President 2005–2006, Secretary 2004–2005, Membership Chair 2003–2004

Institute for Operations Research and Management Science (INFORMS)

Member 2007–Current

Transportation Science and Logistics Society, Facility Logistics Special Interest Group

Warehousing Education and Research Council (WERC)

Member, 2014 - current

Council of Supply Chain Management Professionals,

Central Florida Roundtable Member of the Board of Directors, 2012–2015

New York Capital Region Roundtable, Scholarship Liaison, 2015 –

Tau Beta Pi Engineering Honor Society

Member 2004–Current

Alpha Pi Mu Industrial Engineering Honor Society

Member 2004–Current

UCF Faculty Advisor 2011–2015

UCF Student Chapter was Awarded Second Place Nationally in 2012-2013 Most Outstanding Student Chapter.