

Shabnam Rezapour

Enterprise & Logistics Engineering  
College of Engineering and Computing • Florida International University  
10555 W Flagler Street, Room 3114 • Miami, Florida 33174 • USA • Phone: (216) 744 - 6744  
E-mail: srezapou «at» fiu.edu  
Google Scholar: <https://scholar.google.com/citations?user=FJwivwcAAAAJ&hl=en>

## EDUCATION

---

- PhD. Industrial and Systems Engineering, University of Oklahoma, 2017 (received Honorable Mention for the Provost's Dissertation Prize).
- PhD. Supply Chain Management, Amirkabir University of Technology, 2010.
- MSc. Industrial and Systems Engineering, Amirkabir University of Technology, 2006.
- BSc. Industrial and Systems Engineering, Amirkabir University of Technology, 2004.

## PROFESSIONAL APPOINTMENTS

---

- Assistant Professor, Enterprise and Logistics Engineering, Florida International University, Fall 2017 - now.
- Graduate Research Assistant, School of Industrial and Systems Engineering, University of Oklahoma, Fall 2012 - Spring 2017.
- Instructor, Department of Industrial Engineering, Urmia University of Technology, Fall 2010 - Spring 2012.
- Researcher, Logistics and Supply Chain Management Research Group, Institute of Trade Studies and Research (ITSR), Iran Ministry of Commerce, Fall 2006 - Spring 2010.

## RESEARCH INTERESTS

---

- Resilient and Sustainable Infrastructures
- Disaster Management
- Healthcare Operations in Disasters
- Supply Chain Management

## JOURNAL ARTICLES *(January 4, 2024: Citations: 3445; h-index: 22; i10-index: 29)*

---

1. Moore E, Imteaj A; **Rezapour S**, Amini MH (2023). A Survey on Secure and Private Federated Learning Using Blockchain: Theory and Application in Resource-Constrained Computing. *IEEE Internet of Things Journal*; 10 (24); 21942 - 21958.
2. Wineland SM, **Rezapour S**, Neeson TM (2023). Small Tradeoffs Between Social Equity and Conservation Outcomes in A Freshwater Payment for Ecosystem Services Scheme. *Ecological Applications*; e2829. <https://doi.org/10.1002/eap.2829>.
3. Farzaneh MA, **Rezapour S**, Baghaian A, Amini MH (2023). An Integrative Framework for Coordination of Damage Assessment, Road Restoration, and Relief Distribution in Disasters. *OMEGA International Journal of Management Science*; 115; 102748.

4. **Rezapour S**, Baghaian A, Naderi N, Sarmiento JP (2023). Infection Transmission and Prevention in Metropolises with Heterogeneous and Dynamic Populations. *European Journal of Operational Research*; 304(1); 113-138.
5. Baghaian A, Lotfi MM, **Rezapour S** (2022). Integrated Deployment of Local Urban Relief Teams in the First Hours After Mass Casualty Incidents. *Operational Research*; 22 (4); 4517-4555.
6. **Rezapour S**, Baghaian A, Naderi N, Farzaneh MA (2022). Dynamic On-Site Treatment Strategy for Large-Scale Mass Casualty Incidents with Rescue Operation. *Computers and Industrial Engineering*; 163; 107796.
7. **Rezapour S**, Farahani RZ, Morshedlou N (2021) Impact of Timing in Post-Warning Prepositioning Decisions on Performance Measures of Disaster Management: A Real-Life Application. *European Journal of Operational Research*; 293(1); 312-335.
8. Hyman M, Mark C, Imteaj A, Ghiaie H, **Rezapour S**, Sadri AM, Amini MH (2021). Data Analytics to Evaluate the Impact of Infectious Diseases on Economy: Case Study of COVID-19 Pandemic. *Patterns*; 2(8); 100315.
9. Zahedi L, Mohammadi FG, **Rezapour R**, Ohland MW, Amini MH (2021). Search Algorithms for Automated Hyper-Parameter Tuning. arXiv preprint arXiv:2104.14677.
10. Wineland SM, Favargue R, Gill KC, **Rezapour S**, Neeson TM (2021) Conservation Planning in an Uncertain Climate: Identifying Projects that Remain Valuable and Feasible Across Future Scenarios. *People and Nature*; 3(1); 221-235.
11. Fovargue RE, **Rezapour S**, Rosendahl D, Wootten AM, Sabzi HZ, Moreno HA, Neeson TM (2021) Spatial Planning for Water Sustainability Project under Climate Uncertainty: Balancing Human and Environmental Water Needs. *Environmental Research Letters*; 16(3); 034050.
12. Farahani RZ, Lotfi MM, Baghaian A, Ruiz R, **Rezapour S** (2020). Mass Casualty Management in Disaster Scene: A Systematic Review of OR&MS Research in Humanitarian Operations. *European Journal of Operational Research*; 287(3); 787-819.
13. Wineland SM, Fovargue R, Gill KC, **Rezapour S**, Neeson TM (2020). Using social, ecological, and climate data to identify the most important places for conservation. *People and Nature*; PaN-74.
14. Farzaneh MA, **Rezapour S**, Fovargue R, Neeson TM (2020). Stochastic Mathematical Models to Balance Human and Environmental Water Needs and Select the Best Conservation Policy for Drought-Prone River Basins. *Journal of Cleaner Production*; 291; 125230.
15. Zamani Sabzi H, **Rezapour S**, Fovargue R, Moreno H, Neeson TM (2019). Strategic Allocation of Water Conservation Incentives to Boost Environmental Flows and Societal Outcomes. *Ecological Engineering*; 127; 160-169.
16. **Rezapour S**, Naderi N, Moshedlou N, Rezapourbehnagh S (2018). Optimal Deployment of Emergency Resources in Sudden Onset Disasters. *International Journal of Production Economics*; 204; 365-382.
17. **Rezapour S**, Srinivasan R, Tew J, Allen JK, Mistree F (2018). Correlation Between Supply Networks' Strategic and Operational Risk Mitigation Strategies. *International Journal of Production Economics*; 201; 225-248.
18. **Rezapour S**, Farahani RZ, Pourakbar M (2017). Resilient Supply Chain Network Design under Competition: A Case Study. *European Journal of Operational Research*; 259; 1017-1035.

19. **Rezapour S**, Allen JK, Mistree F (2017). Reliable Flow in Stochastic Supply Networks Servicing Pre- and After-sales Markets. *Artificial Intelligence for Engineering Design, Analysis and Manufacturing*; 31; 120-142.
20. Mohammaddust F, **Rezapour S**, Farahani RZ, Mofidfar M, Hill A (2017). Developing Lean and Responsive Supply Chains: A Robust Model for Alternative Risk Mitigation Strategies in Supply Chains Design. *International Journal of Production Economics*; 183; 632-653.
21. **Rezapour S**, Allen JK, Mistree F (2016). Reliable Product-Service Supply Chains for Repairable Products. *Transportation Research Part E*; 95; 299-321.
22. **Rezapour S**, Allen JK, Mistree F (2016). Reliable Flow in Forward and After-sales Supply Chains Considering Propagated Uncertainty. *Transportation Research Part E*; 93; 409-436.
23. **Rezapour S**, Farahani RZ (2015). Concurrent Design of Product Family and Supply Chain Network Considering Quality and Price. *Transportation Research Part E*; 81; 18-35.
24. **Rezapour S**, Farahani RZ, Fahimnia B, Govindan K, Mansouri Y (2015). Competitive Closed-Loop Supply Chain Network Design with Price-dependent Demands. *Journal of Cleaner Production*; 93; 251-272.
25. **Rezapour S**, Allen JK, Mistree F (2015). Uncertainty Propagation in a Supply Chain or Supply Network. *Transportation Research Part E*; 73; 185-206.
26. Farahani RZ, **Rezapour S**, Drezner T, Moharerhaye Esfahani A, Amiri-Aref M (2015). Locating and Capacity Planning for Retailers of a New Supply Chain to Compete on the Plane. *Journal of the Operations Research Society*; 66; 1182-1205.
27. **Rezapour S**, Farahani RZ, Dullaert W, Borger BD (2014). Designing a New Supply Chain for Competition against an Existing Supply Chain. *Transportation Research Part E*; 67; 124-140.
28. **Rezapour S**, Farahani RZ, Zhang D, Mohammddust F (2014). Strategic Design of Competing Supply Chain Network for Markets with Deterministic Demands. *IMA Journal of Management Mathematics*; 1-33 (selected by the editors as the best paper of 2016).
29. **Rezapour S**, Farahani RZ (2014). Supply Chain Network Design under Oligopolistic Price and Service Level Competition with Foresight. *Computers and Industrial Engineering*; 72; 129-142.
30. Farahani RZ, **Rezapour S**, Drezner T, Fallah S (2014). Competitive Supply Chain Network Design: An Overview of Classifications, Models and Applications. *Omega: International Journal of Management Science*; 45; 92-118.
31. Baghalian A, **Rezapour S**, Farahani RZ (2013). Robust Supply Chain Network Design with Service Level against Disruptions and Demand Uncertainties: A Real-Life Case. *European Journal of Operational research*; 227; 199-215.
32. Abginechi S, Farahani RZ, **Rezapour S** (2013). A Mathematical Model for Order Splitting in a Multiple Supplier Single-Item Inventory System. *Journal of Manufacturing Systems*; 32(1); 55-67.
33. Saraee M, Moosavi V, **Rezapour S** (2011). Application of Self Organizing Map to Model a machining System. *Journal of Manufacturing Technology Management*; 22(6); 818-830.
34. **Rezapour S**, Farahani RZ, Miandabchi E (2011). A Machine to Loop Assignment and Layout Design Methodology for Tandem AGV Systems with Single Load Vehicles. *International Journal of Production Research*; 49(12); 3605-3633.

35. **Rezapour S**, Farahani RZ, Ghodsipour SH, Abdollahzadeh S (2011). Strategic Design of Competing Supply Chain Networks with Foresight. *Advances in Engineering Software*; 42; 130-141.
36. **Rezapour S**, Farahani RZ, Drezner T (2011). Strategic Design of Competing Supply Chain Networks for Inelastic Demand. *Journal of the Operations Research Society*; 62(10); 1784-1795.
37. **Rezapour S**, Farahani RZ (2010). Strategic Design of Competing Centralized Supply Chain Networks for Markets with Deterministic Demands. *Advances in Engineering Software*; 41(5); 810-822.
38. Torfi F, Farahani RZ, **Rezapour S** (2010). Fuzzy AHP to Determine the Relative Weights of Evaluation Criteria and Fuzzy TOPSIS to Rank the Alternatives. *Applied Soft Computing*; 10(2); 520-528.
39. Fazel Zarandi MH, **Rezapour S** (2009). A Fuzzy Signal Controller for Isolated Intersections. *Uncertain Systems*; 3(3); 174-182.

## BOOKS

---

1. **Rezapour S**, Khosrojerdi A, Rasoulifar G, Allen JK, Panchal JH, Sirinivasan RS, Tew JD, Mistree F. (Eds.) *Architecting Fail-safe Supply Networks*, *CRC Press*, Taylor & Francis Group, USA, 2018, 358 pages, ISBN 9781138504264.
2. Farahani RZ, **Rezapour S**, Kardar L. (Eds.), *Logistics Systems: Concepts, Models and Applications*, *Elsevier*, London, U.K., 2011, 486 pages, ISBN 9780123852021.
3. Farahani RZ, **Rezapour S**, Kardar L. (Eds.), *Supply Chain Sustainability and Raw Material Management: Concepts and Processes*, *IGI Global*, Hershey, USA, 2011, 367 pages, ISBN 9781613505045.

## BOOK CHAPTERS

---

1. Farahani RZ, **Rezapour S**, Kardar L., Overview. In “Supply Chain Sustainability and Raw Material Management: Concepts and Processes.” Farahani RZ, Rezapour S, Kardar L. (Eds.), IGI Global, Hershey, USA, 2011, ISBN 9780123852021. pp. 3-10.
2. **Rezapour S**, Competition in Supply Chain. In “Supply Chain Sustainability and Raw Material Management: Concepts and Processes.” Farahani RZ, Rezapour S, Kardar L. (Eds.), IGI Global, Hershey, USA, 2011, ISBN 9780123852021. pp. 215-232.
3. Heidari N, **Rezapour S**, Strategic Issues of Supply Chain Design and Management. In “Supply Chain Sustainability and Raw Material Management: Concepts and Processes.” Farahani RZ, Rezapour S, Kardar L. (Eds.), IGI Global, Hershey, USA, 2011, ISBN 9780123852021. pp. 19-34.
4. **Rezapour S**, Moghaddam MS, Dehkordi MA., Logistics and Supply Chain Management Information Systems. In “Supply Chain and Logistics in National, International and Governmental Environments.” Farahani RZ, Asgari N, Davarzani H (Eds.), *Contributions to Management Science*. Springer, Verlag, Berlin, Heidelberg, Germany, 2009, ISBN 978-3-7908-2156-7. pp. 279-298.
5. Davarzani H, **Rezapour S**, Supply Chain Network Design. In “Supply Chain and Logistics in National, International and Governmental Environments.” Farahani RZ, Asgari N, Davarzani H (Eds.), *Contributions to Management Science*. Springer, Verlag, Berlin, Heidelberg, Germany, 2009, ISBN 978-3-7908-2156-7. pp. 105-128.

---

**CONFERENCE PRESENTATIONS**

---

1. Saha N, **Rezapour S**, Amini MH (2023). Coupled RLs for concurrent restoration of interdependent infrastructures. INFORMS Annual Meeting; October 15-18; Phoenix, AR.
2. Babae M, **Rezapour S**, Amini MH (2022). Behaviorally Enriched RL for Road Network Restoration. INFORMS Annual Meeting; October 16-19; Indianapolis, IN.
3. Saha N, **Rezapour S**, Amini MH (2021). Smart Control Systems for Networked Power Infrastructures. INFORMS Annual Meeting; October 24-27; Anaheim, CA.
4. Saha N, **Rezapour S**, Amini MH (2021). RL-Based Control Systems for Networked Power Infrastructures. The 8th Annual Conf. on Computational Science & Computational Intelligence. December 15-17; Las Vegas, NV.
5. **Rezapour S**, Ghasemzadeh Gevari F, Farahani RZ (2020). Novel Propagation Models and Control Algorithms for Optimal Surveillance of Hospital Associated Infections. INFORMS Annual Meeting; November 7-13; Seattle, WA.
6. Farzaneh MA, **Rezapour S** (2019). Online Optimization of Post-Disaster Road Infrastructure Restoration. INFORMS Annual Meeting; October 20-23; online.
7. **Rezapour S**, Farzaneh MA (2019) Drone-aided Road Recovery and Relief Distribution in Disasters. 2019 POMS 30th Annual Conference, Washington D.C., WA.
8. **Rezapour S**, Farahani RZ, Pedraza-Martinez AJ (2019) Controlled Decentralization Is the Best Locating Strategy in Disaster Preparedness. 2019 POMS 30th Annual Conference, Washington D.C., WA.
9. Zamani Sabzi H, Moreno H, **Rezapour S**, Fovargue R, Gill K, Neeson T (2018) Decision Support Tools for Allocating Water Conservation Incentives in the Red River. Oklahoma Governor's Water Conference, Oklahoma City, OK.
10. Fovargue R, Zamani Sabzi H, **Rezapour S**, Moreno H, Neeson T (2018) Balancing Conflicting Water Usages under a Changing Climate by Optimizing a Network of Reservoirs in the Red River Basin of the South, USA. American Geophysical Union annual meeting, Washington, D.C.
11. Zamani Sabzi H, Fovargue R, **Rezapour S**, Moreno H, Neeson T (2018) Strategic Distribution of Water Conservation Incentives under Drought-prone Conditions: A case study in the Red River basin, USA. American Geophysical Union annual meeting, Washington, D.C.
12. **Rezapour S**, Farahani RZ, Pedraza-Martinez AJ (2017). Interactions Among Mitigation, Preparedness, and Response in Disaster Management. POMS 28th Annual Conference, Houston, USA.
13. **Rezapour S**, Farahani RZ, Pedraza-Martinez AJ (2017). Interactions Among Mitigation, Preparedness, and Response in Disaster Management. INFORMS 2017 Annual Meeting, Houston, USA.
14. **Rezapour S**, Farahani RZ, Pedraza-Martinez AJ (2016). Inventory Dispersion, Stock Mobilizing Speed, and Fortification in Humanitarian Operations. POMS 27th Annual Conference, Orlando, USA.
15. **Rezapour S**, Farahani RZ, Pedraza-Martinez AJ (2016). Inventory Fortification, Decentralization, and Speed for Disaster Cycle Management. INFORMS 2016 Annual Meeting, Nashville, USA.

16. **Rezapour S**, Allen JK, Mistree F (2016). Correlations between Strategic and Operational Risk Management Strategies. INFORMS 2016 Annual Meeting, Nashville, USA.
17. **Rezapour S**, Allen JK, Mistree F (2015). Architecting Fail-safe Supply Networks. INFORMS 2015 Annual Meeting, Philadelphia, USA.
18. **Rezapour S**, Allen JK, Mistree F (2015). Stochastic Supply Networks Servicing Pre- and After-sales Markets. ASME International Design Engineering Technical Conferences, Boston, USA.
19. **Rezapour S**, Allen JK, Mistree F (2014). Concurrent Planning of Forward and After-sale Supply Chains against Demand and Supply - side Uncertainty. INFORMS 2014 Annual Meeting, San Francisco, USA.
20. Khosrojerdi A, **Rezapour S**, Allen JK, Mistree F (2014). Five Steps for Crafting a Doctoral Research Proposal in Engineering Design. ASME International Design Engineering Technical Conferences, Buffalo, USA.
21. **Rezapour S**, Allen JK, Mistree F (2014). Uncertainty Propagation in a Supply Chain / Network with Uncertain Facility Performances. ASME International Design Engineering Technical Conferences, Buffalo, USA.
22. Khosrojerdi A, **Rezapour S**, Allen JK, Mistree F (2013). Designing a System of Plug-in Hybrid Electronic Vehicle Charging Stations. INFORMS 2013 Annual Meeting, Minneapolis, USA.
23. **Rezapour S**, Allen JK, Trafalis TB, Mistree F (2013). Robust Supply Chain Network Design by Considering Demand-side Uncertainty and Supply-side Disruption. ASME International Design Engineering Technical Conferences, Portland, USA.
24. Mohammaddust F, **Rezapour S** (2012). Robust Supply Chain Network Design with Several Mitigation Strategies against Disruptions and Demand Uncertainties. 25th European Conference of Operational Research, Vilnius, Lithuania.
25. Rajablo G, **Rezapour S**, Soleimanpour M (2012). Designing a Robust Supply Chain for Competition against Existing Competitors in Retailer Level. 25th European Conference of Operational Research, Vilnius, Lithuania.
26. **Rezapour S**, Farahani RZ (2010). Supply Chain Network Design under Oligopolistic Competition with Foresight. 24th European Conference of Operational Research, Lisbon, Portugal.
27. **Rezapour S**, Farahani RZ (2009). Supply Chain Network Design with Foresight. 23th European Conference of Operational Research, Bonn, Germany.
28. Sarace M, Moosavi V, **Rezapour S** (2009). Application of Self Organizing Map to Model a Machining System. 4th European Conference on Intelligent Management Systems in Operations, Manchester City, UK.

## WORKING PAPERS

---

1. Babae M, Saha N, **Rezapour S**, Amini MH (2023). Behaviorally Enriched Learning Mechanism for Road Network Emergency Restoration After Disasters. Transportation Research Part E, submitted.
2. Saha N, **Rezapour S**, Sahin N, Amini MH (2023). Coupled RLs for Concurrent Restoration of Interdependent Infrastructures. OMEGA, submitted.

## TEACHING EXPERIENCES

- Florida International University
  - Engineering Management Quantitative Foundation. Fall 2017 (online)
  - Applications of OR in Manufacturing. Fall 2017- 2023 and Spring 2020-2024 (in-person, online, and hybrid).
  - OR I Deterministic. Spring 2023 (in-person)
  - Stochastic Processes. Spring 2018-2020 and Fall 2021 (in-person and online)
  - Industrial/Technological Marketing. Spring 2021-2024 and Fall 2022-2023 (in-person and online)
- University of Oklahoma
  - Deterministic Systems Model. Fall 2014 (in-person).
  - Systems Optimization. Fall 2014 (in-person).
- Urmia University of Technology
  - Engineering Statistics. Fall 2008-2011 (in-person).
  - Inventory Management. Fall 2008-2011 (in-person).
  - Statistical Quality Control. Spring 2009-2012 (in-person).
  - Queuing Systems. Spring 2009-2012 (in-person).
  - E-supply Chain Management. Spring 2012 (in-person).
  - Design of Experiments. Fall 2008-2011 (in-person).

## TEACHING EVALUATION

Term	Course + Name	Class Section	Instructor Name	Responses / Enrollment	Campus or High School	Question	Excellent	Very Good	Good	Fair	Poor	No Response
Spring 2023	ESI 6316 Appl Of Or In Mfg	U01	Rezapour Behnagh, Shabnam	9/18	Modesto Maidique	Description of course objectives and assignments	77.8%	11.1%	11.1%	0.0%	0.0%	0.0%
						Expression of expectations for performance in this class	77.8%	11.1%	11.1%	0.0%	0.0%	0.0%
						Communication of ideas and information	77.8%	11.1%	11.1%	0.0%	0.0%	0.0%
						Stimulation of interest in course	77.8%	0.0%	11.1%	11.1%	0.0%	0.0%
						Facilitation of learning	77.8%	22.2%	0.0%	0.0%	0.0%	0.0%
						Availability to assist students in or out of class	66.7%	11.1%	11.1%	11.1%	0.0%	0.0%
						Respect and concern for students	77.8%	11.1%	11.1%	0.0%	0.0%	0.0%
						Overall assessment of instructor	77.8%	11.1%	11.1%	0.0%	0.0%	0.0%
Fall 2022	EIN 5123 Industrial Marketing	U01	Rezapour Behnagh, Shabnam	10/19	Modesto Maidique	Description of course objectives and assignments	90.0%	10.0%	0.0%	0.0%	0.0%	0.0%
						Expression of expectations for performance in this class	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
						Communication of ideas and information	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
						Stimulation of interest in course	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
						Facilitation of learning	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
						Availability to assist students in or out of class	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
						Respect and concern for students	90.0%	10.0%	0.0%	0.0%	0.0%	0.0%
						Overall assessment of instructor	90.0%	10.0%	0.0%	0.0%	0.0%	0.0%
Spring 2022	ESI 6316 Appl Of Or In Mfg	RXEC	Rezapour Behnagh, Shabnam	2/11	Online	Description of course objectives and assignments	50.0%	0.0%	50.0%	0.0%	0.0%	0.0%
						Expression of expectations for performance in this class	50.0%	0.0%	50.0%	0.0%	0.0%	0.0%
						Communication of ideas and information	50.0%	0.0%	50.0%	0.0%	0.0%	0.0%
						Stimulation of interest in course	50.0%	0.0%	50.0%	0.0%	0.0%	0.0%
						Facilitation of learning	50.0%	0.0%	50.0%	0.0%	0.0%	0.0%
						Availability to assist students in or out of class	50.0%	0.0%	50.0%	0.0%	0.0%	0.0%
						Respect and concern for students	50.0%	0.0%	50.0%	0.0%	0.0%	0.0%
						Overall assessment of instructor	50.0%	0.0%	50.0%	0.0%	0.0%	0.0%

Fall 2021	ESI 6316 Appl Of Or In Mfg	RXEC	Rezapour Behnagh, Shabnam	2/8	Online	Description of course objectives and assignments	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
						Expression of expectations for performance in this class	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
						Communication of ideas and information	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
						Stimulation of interest in course	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
						Facilitation of learning	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
						Availability to assist students in or out of class	50.0%	50.0%	0.0%	0.0%	0.0%	0.0%
						Respect and concern for students	50.0%	50.0%	0.0%	0.0%	0.0%	0.0%
						Overall assessment of instructor	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
						Description of course objectives and assignments	66.7%	33.3%	0.0%	0.0%	0.0%	0.0%
						Expression of expectations for performance in this class	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Fall 2021	ESI 6316 Appl Of Or In Mfg	RXFC	Rezapour Behnagh, Shabnam	3/5	Online	Communication of ideas and information	66.7%	33.3%	0.0%	0.0%	0.0%	0.0%
						Stimulation of interest in course	100.0%	0.0%	0.0%	0.0%	0.0%	0.0%
						Facilitation of learning	66.7%	33.3%	0.0%	0.0%	0.0%	0.0%
						Availability to assist students in or out of class	66.7%	0.0%	33.3%	0.0%	0.0%	0.0%
						Respect and concern for students	66.7%	0.0%	33.3%	0.0%	0.0%	0.0%
						Overall assessment of instructor	66.7%	33.3%	0.0%	0.0%	0.0%	0.0%

## STUDENT SUPERVISION

---

- Florida International University
  - Ervin Moore (2022-now). Quantum-Encrypted Federated Learning. Ph.D. Dissertation, Florida International University.
  - Namrata Saha (2021-2024). Coupled RLs for Concurrent Restoration of Interdependent Infrastructures. Ph.D. Dissertation, Florida International University.
  - Maryam Babaei (2020). Behaviorally enriched Learning Mechanism for Road Networks Restoration After Disasters. M.Sc. Thesis, Florida International University.
  - Mohammad Amin Farzaneh (2018). Data-driven Recovery of Disrupted Road Infrastructures Using UAVs. M.Sc. Thesis, Florida International University.
  - Fatemeh Ghasemzadeh (2019-2020). Modeling Infection Transmission in Hospitals. Post-Doc Scholar, Florida International University.
  - Nazli Ceren Sahin (2022-2023). Designing Coupled RLs for Mathematical Modeling of Interdependent Heterogeneous Systems. Post-Doc Scholar, Florida International University.
- Urmia University of Technology
  - Mohammaddust F (2012). Developing Lean and Responsive Supply Chains: A Robust Model for Alternative Risk Mitigation Strategies in Supply Chain Network Design. M.Sc. Thesis, Urmia University of Technology.
  - Rajabloo G (2012). Resilient Supply Chain Network Design under Competition: A Case Study. M.Sc. Thesis, Urmia University of Technology.
  - Baghalian A (2011). Robust Supply Chain Network Design with Service Level against Disruptions and Demand Uncertainties: A Real-Life Case. M.Sc. Thesis, Urmia University of Technology.
  - Azarmehr M (2011). Sourcing and Pricing Strategies for Two Retailers in a Decentralized Supply Chain System under Supply Disruption. M.Sc. Thesis, Urmia University of Technology.



## GRANTS

## Funded Proposals at FIU

	Title	Other PIs	Sponsor	Date	Total funding	My portion
External Fundings	DISES-2108003; Conservation Incentives and the Socio-Spatial Dynamics of Water Sustainability	Thomas Neeson (OU) Dana Bauer (CU), Adam Feltz (OU), Joshuah Perkin (Texas A&M), Shima Mohebbi (GMU)	NSF	2022-2026	\$1,596,980	\$166,397
	CINA: Agent-based Learning to Utilize Local Data for Activity Recognition	Mohammadhadi Amini (FIU), Naphtali Rische (FIU)	Department of Homeland Security	2022-2024	\$ 300,000	\$ 23,869
	Enhancing a spatial planning tool to support reservoir fisheries, instream flows, and societal water needs in the Red River	Thomas Neeson (OU), Hernan A Moreno Ramirez (UT-El Paso)	South Central Climate Adaptation Science Center	2023-2024	\$ 157,000	\$ 20,161
	AWD000000010049: Disaster Risk and Resilience in the Americas; Budge	Juan Pablo Sarmiento (EEI)	US Agency for International Development	2019-2022	\$ 4,225,819	\$ 98,589.56
Internal Fundings	Preeminent/Emerging Preeminent Doctoral Assistantship	Mohammadhadi Amini (FIU)	Institute for Resilient and Sustainable Coastal Infrastructure (InteRaCt)	2021-2024	\$ 110,000	
	FIU's Undergraduate to Graduate Program (UtGP) Award	Mohammadhadi Amini (FIU)	University Graduate School	2024-2028	\$ 120,000	
	ADMIRE Center fellowship	Mohammadhadi Amini (FIU)	Department of Homeland Security	2023-2028	\$ 70,000	

## Pending Proposals at FIU

Title	Other PIs	Sponsor	Date	Budget
CAREER: SCALE-DCS: Scalable Methodology for Design and Analysis of Decentralized Coupled Systems.	-	NSF	2024-2029	\$ 500,000
Transforming Healthcare: Innovations in Infection Transmission, Prevention, and Control for Safer Hospitals.	Mary Jo Trepka (FIU), Mohammadhadi Amini (FIU), David Brown (FIU), Pallab Mozumdar (FIU)	NSF	2024-2028	\$1,829,143
Collaborative Research: Sustainable Design with Data-Driven Lifecycle Inventory Acquisition.	Sara Behdad (UF)	NSF	2024-2027	\$ 550,000

## PROFESSIONAL ACTIVITIES & PUBLIC SERVICES

Internal services	FIU Office of Scholarships (served as a judge)		Spring 2019 - Now
	FIU Graduate Curriculum Committee (served as a member)		Fall 2018 - Now
	ELE faculty search committee (served as a search committee member)		Spring 2021, Spring 2022, Fall 2023
	Committee member of PhD students	Leila Zahedi, Computer Science, FIU	2017-2022
Luiz Manella Pereira, Computer Science, FIU		2021-now	
Khandaker Mamun Ahmed, Computer Science, FIU		2022-now	
External services	NSF panelist (Engineering Design and Systems Engineering)		Spring 2023
	NSF panelist (SBIR/STTR Phase I: Climate Change panel)		Spring 2023
	NSF Panelist (NSF EPSCoR Research Infrastructure Improvement (RII) Track-1 panel)		Fall 2021
	NSF Panelist (Panel: SCC-PG Disaster Resilience)		Spring 2021
	PhD committee member of "Reza A. Kordabad", Systems Engineering, OU		2017-2022
	Reviewer for the following journals: <ul style="list-style-type: none"> <li>- Production and Operations Management</li> <li>- Omega: International Journal of Management Science</li> <li>- European Journal of Operational Research</li> <li>- Interfaces</li> <li>- International Journal of Production Economics</li> <li>- Transportation Research Part E</li> <li>- International Journal of Production Research</li> <li>- Expert Systems with Application</li> </ul>		2010-now
Membership	Professional member of POM		Fall 2015-now
	Professional member of IISE		Fall 2012-now
	Professional member of INFORMS		Fall 2012-now
	Professional member of IDETC		Fall 2012-now
Professional Development	Search and screen training 2.22.21 (FIU)		Spring 2022
	Bystander leadership workshop (FIU)		Spring 2020
	Hybrid teaching certification (FIU)		Spring 2023