

Mohsen Emadikhiaiv

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EDUCATION

University of Connecticut, Storrs, Connecticut, USA

- Ph.D. in Business Administration
 - Concentration: Operations and Information Management Sep 2015 – Present
 - Co-Major Advisers: Robert Day, David Bergman
 - Associate Adviser: Sudip Bhattacharjee

Linköping University, Linköping, Sweden

- M.Sc. in Industrial Engineering and Management Sep 2013 – Jun 2015

Iran University of Science and technology, Tehran, Iran

- B.Sc. in Industrial Engineering Sep 2008 – Jul 2013

RESEARCH INTERESTS

- Market Design
 - Procurement auctions
 - Combinatorial auctions
- Supply Chain Management
 - Vehicle routing
 - Carrier collaboration
 - Scheduling
 - Inventory Management
- Business Analytics
- Discrete Optimization

RESEARCH WORKS

PAPERS UNDER REVIEW

- “Consistent routing with simultaneous pickups and deliveries,” invited for second round review at Production and Operations Management (joint work with David Bergman and Robert Day).

WORKING PAPERS

- “Designing a sustainable backhaul framework using telematics sensor data and analytics,” Reject and Resubmit, MIS Quarterly (joint work with Sudip Bhattacharjee, Robert Day and David Bergman).
- “Efficient, budget-balanced auctions with lane exchanges and compact bid languages” (joint work with Robert Day, David Bergman, and Sudip Bhattacharjee)
- “Exact algorithms to solve b-matching problems with side constraints for carrier collaboration” (joint work with David Bergman)
- “A logic-based Benders decomposition for assembly scheduling problems with inventory constraints,” (joint work with David Bergman and Andre Cire)

PUBLISHED PAPERS

- M. Mazdeh, M. Emadikhiaiv, and I. Parsa, “A heuristic to solve the dynamic lot sizing problem with supplier selection and quantity discounts,” *Computers and Industrial Engineering*, vol. 85, pp. 33–43, May 2015.
- I. Parsa, M. Emadikhiaiv, M. Mazdeh and S. Mehrani, “A multi supplier lot sizing strategy using dynamic programming,” *International Journal of Industrial Engineering Computations*, vol. 4, no. 1, pp. 61–70, Jan 2013.

CONFERENCE PRESENTATIONS

- “A consistent vehicle-routing problem with simultaneous pickups and deliveries,” *INFORMS Computing Society Conference 2019, Knoxville, TN*.
- “Sensor data analytics for sustainable transportation: collaboration in the trucking industry,” *Workshop on Information Technologies and Systems 2018, Santa Clara, CA*.
- “Consistency versus flexibility in vehicle routing with simultaneous pickups and deliveries,” *INFORMS Annual Meeting 2017, Houston, TX*.
- “A Fordyce-Webster algorithm for lot-sizing problems with backlogging,” *International Logistics and Supply Chain Management Conference 2012, Tehran, Iran*.

TEACHING EXPERIENCE	<ul style="list-style-type: none"> ▪ Instructor <ul style="list-style-type: none"> • Introduction to Operations Management (Spring 2018) • 136 students (teaching evaluation: 4.0 out of 5.0) ▪ Teacher Assistant <ul style="list-style-type: none"> • Introduction to Operations Management (Fall 2015 - present)
AWARDS	<ul style="list-style-type: none"> ▪ University of Connecticut School of Business Dean's summer fellowship (2018). ▪ Best project award from the department of Logistics and Quality Management at Linkoping University, Spring (2014). ▪ Received full scholarship from the Swedish Institute (SI) to study at Linkoping University (2013). ▪ Ranked top 0.5% among more than 300,000 participants in Iran Universities entrance exam Bachelor degree (2008).
SERVICE	<ul style="list-style-type: none"> ▪ Website Chair: Conference on Principles and Practice of Constraint Programming (2019) ▪ Session Chair: Production and Operations Management Society Conference (2019) ▪ Reviewer: <ul style="list-style-type: none"> • International Conference on the Integration of Constraint Programming, Artificial Intelligence, and Operations Research (2017-Present) • The AAAI Conference on Artificial Intelligence (2017) ▪ Organizing Committee: UCONN School of Business PhD Program 30th Anniversary (2017)
INTERNSHIPS	<p>EXOVA METECH, Linkoping, Sweden</p> <ul style="list-style-type: none"> ▪ A Six Sigma project (green belt) <p>Improving on-time delivery of customers' orders Aug 2014 – Dec 2014</p>
PROFESSIONAL MEMBERSHIPS	<p>The Institute for Operations Research and the Management Sciences (INFORMS) 2015 – present</p> <p>Production and Operations Management Society (POMS) 2018 – present</p>
SKILLS	C++, GUROBI, IBM ILOG CPLEX, R, Stata, AIMMS, AMPL, SPSS Statistics, L ^A T _E X
REFERENCES	<ul style="list-style-type: none"> ▪ Robert Day Associate Professor of Operations and Information Management University of Connecticut, School of Business 2100 Hillside Rd, Storrs, CT 06268 robert.day@uconn.edu • (860) 486-5293 ▪ David Bergman Assistant Professor of Operations and Information Management University of Connecticut, School of Business 2100 Hillside Rd, Storrs, CT 06268 david.bergman@uconn.edu ▪ Sudip Bhattacharjee Professor of Operations and Information Management University of Connecticut, School of Business 2100 Hillside Rd, Storrs, CT 06268 sudip.bhattacharjee@uconn.edu • (860) 486-1274

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