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# Meysam Rabiee

## Education

- April 2018–now **Ph.D. Operations and Business Analytics**, *University of Oregon, Lundquist college of Business*
- 2008–2010 **M.S. Industrial Engineering**, *K. N. Toosi University of Technology, Iran*
- 2004–2008 **B.S. Industrial Engineering**, *Bu-Ali Sina University, Iran*

## Research Interests

- Methodology: Mathematical Modeling, Multi-objective Optimization, Multi-Criteria Decision Making, Decision Support Systems, Machine Learning, Econometrics, Evolutionary Algorithms
- Application: Sustainable Supply Chain, Healthcare Analytics, Humanitarian Supply Chain, Scheduling, Group Decision Making

## Teaching Experience

### - Sole Instructor at University of Oregon:

- Spring 2021 **Project and Operations Management Models (OBA 466/566)**, *Online Section*
- Fall 2020 **Project and Operations Management Models (OBA 466/566)**, *Online Section*
- Winter 2020 **Project and Operations Management Models (OBA 466/566)**, *In-Person Section*
- Spring 2019 **Operations Management (OBA 335)**, *In-Person Section, Co-instructor*  
*Descriptive evaluation is available on request, UO's Revised qualitative evaluation system*

### - Teaching Assistant at University of Oregon:

- Fall 2019 **Predictive Analytics with Python**, *Undergraduate/Graduate Course*
- Winter 2019 **Predictive Analytics with R**, *Undergraduate/Graduate Course*
- Spring 2020 **Supply Chain Management**, *Undergraduate/Graduate Course*

### - Sole Instructor at Bu-Ali Sina University:

- 2012–2016 **Linear Programming, Probability Theory, Statistics, Multi-Criteria Decision Making, Project Control & Planning, Quality Management, Facility Planning & Layout Design, Work & Time Study**, *Overall Teaching Evaluation Score: 91/100*

## Awards and Honors

- 2020–2021 **Robin & Roger Best Teaching Award**, *University of Oregon*  
Acknowledges and honors excellence in teaching as a sole instructor among all Ph.D. students at Lundquist College of Business
- 2018–2020 **Summer Research Scholarship**, *University of Oregon, Lundquist College of Business*
- 2012–2014 **Early Career Research Grant**, *Bu-Ali Sina University*
- 2014–2016 **Teaching Excellence Award**, *Bu-Ali Sina University*  
Recognizes and honors excellence in teaching Undergraduate Courses at Industrial Engineering Department

## Selected Publications

- **Rabiee, M.**, Aslani, B., Rezaei, J. (2021). A decision support system for detecting and handling biased decision-makers in multi criteria group decision-making problems. *Expert Systems with Applications*, forthcoming.
- Jafarian, A., **Rabiee, M.**, & Tavana, M. (2020). A novel multi-objective co-evolutionary approach for supply chain gap analysis with consideration of uncertainties. *International Journal of Production Economics*, 228, 107852.
- **Rabiee, M.**, Zandieh, M., & Ramezani, P. (2012). Bi-objective partial flexible job shop scheduling problem: NSGA-II, NREGA, MOGA and PAES approaches. *International Journal of Production Research*, 50(24), 7327-7342.
- Jolai, F., **Rabiee, M.**, & Asefi, H. (2012). A novel hybrid meta-heuristic algorithm for a no-wait flexible flow shop scheduling problem with sequence dependent setup times. *International Journal of Production Research*, 50(24), 7447-7466.
- **Rabiee, M.**, Zandieh, M., & Jafarian, A. (2012). Scheduling of a no-wait two-machine flow shop with sequence-dependent setup times and probable rework using robust meta-heuristics. *International Journal of Production Research*, 50(24), 7428-7446.

## Submitted and Working Papers

- An interactive decision support system for real-time ambulance relocation with demand prioritization, Joint work with Dursun Delen, Mahdi Hajiali and Ebrahim Teimoury, (Major revision at *Decision Support Systems*).
- A decision support system for multi-objective automatic clustering: a framework development, Joint work with Mona Jabbari, Shaya Sheikh and Asil Oztekin, (Major revision at *Decision Support Systems*).
- Large-Scale Group Decision-Making and Rank Clustering-Joint work with Ali Fattahi and Babak Aslani, (Under Review at *Operations Research*), Available at [SSRN](#).
- An Integrated Decision Support System for Multi-Target Forecasting: A Case Study of Energy Load Prediction For a Solar-Powered Residential House-Joint work with Shaya Sheikh, Asil Oztekin and Murtaza Nasir, (Under Review at *Computers & Industrial Engineering*).
- Insights into the sustainable supplier selection and order allocation problem-Joint work with Joseph Sarkis and Babak Aslani, (In final preparation to be submitted to *Annals of Operations Research*).

## Other Publications

- Aslani, B., **Rabiee, M.**, & Tavana, M. (2020). An integrated information fusion and grey multi-criteria decision-making framework for sustainable supplier selection. *International Journal of Systems Science: Operations & Logistics*, 1-23.
- Gheisariha, E., Tavana, M., Jolai, F., & **Rabiee, M.** (2020) A simulation-optimization model for solving flexible flow shop scheduling problems with rework and transportation. *Mathematics and Computers in Simulation*, 180, 152-177.
- **Rabiee, M.**, Jolai, F., Asefi, H., Fattahi, P., & Lim, S. (2016). A biogeography-based optimisation algorithm for a realistic no-wait hybrid flow shop with unrelated parallel machines to minimise mean tardiness. *International Journal of Computer Integrated Manufacturing*, 29(9), 1007-1024.
- Asefi, H., Jolai, F., **Rabiee, M.**, & Araghi, M. T. (2014). A hybrid NSGA-II and VNS for solving a bi-objective no-wait flexible flowshop scheduling problem. *The International Journal of Advanced Manufacturing Technology*, 75(5-8), 1017-1033.
- Tayebi Araghi, M. E., Jolai, F., & **Rabiee, M.** (2014). Incorporating learning effect and deterioration for solving a SDST flexible job-shop scheduling problem with a hybrid meta-heuristic approach. *International Journal of Computer Integrated Manufacturing*, 27(8), 733-746.
- Jolai, F., Tavakkoli-Moghaddam, R., **Rabiee, M.**, & Gheisariha, E. (2014). An enhanced invasive weed optimization for makespan minimization in a flexible flowshop scheduling problem. *Scientia Iranica*, 21(3), 1007-1020.

- **Rabiee, M.**, Rad, R. S., Mazinani, M., & Shafaei, R. (2014). An intelligent hybrid meta-heuristic for solving a case of no-wait two-stage flexible flow shop scheduling problem with unrelated parallel machines. *The International Journal of Advanced Manufacturing Technology*, 71(5-8), 1229-1245.
- Jolai, F., Asefi, H., **Rabiee, M.**, & Ramezani, P. (2013). Bi-objective simulated annealing approaches for no-wait two-stage flexible flow shop scheduling problem. *Scientia Iranica*, 20(3), 861-872.
- **Rabiee, M.**, Zandieh, M., & Jafarian, A. (2012). Scheduling of a no-wait two-machine flow shop with sequence-dependent setup times and probable rework using robust meta-heuristics. *International Journal of Production Research*, 50(24), 7428-7446.
- Moradinasab, N., Shafaei, R., **Rabiee, M.**, & Mazinani, M. (2012). Minimization of maximum tardiness in a no-wait two stage flexible flow shop. *International Journal of Artificial Intelligence*, 8(12 S), 166-181.
- Shafaei, R., **Rabiee, M.**, & Mirzaeyan, M. (2011). An adaptive neuro fuzzy inference system for makespan estimation in multiprocessor no-wait two stage flow shop. *International Journal of Computer Integrated Manufacturing*, 24(10), 888-899.
- **Rabiee, M.**, Ramezani, P., & Shafaei, R. (2011). An efficient simulated annealing algorithm for a No-Wait Two Stage Flexible Flow Shop Scheduling Problem. *International Journal of Advanced Information Technology (IJAIT)* Vol, 1.
- Zanganeh, T., **Rabiee, M.**, & Zarei, M. (2011). Applying adaptive neuro-fuzzy model for bankruptcy prediction. *International Journal of Computer Applications*, 20(3), 15-21.
- Shafaei, R., Moradinasab, N., & **Rabiee, M.** (2011). Efficient meta heuristic algorithms to minimize mean flow time in no-wait two stage flow shops with parallel and identical machines. *International Journal of Management Science and Engineering Management*, 6(6), 421-430.

## Service

- 2019 **Program Assistant for Program Committee**, *POMS Conference*, Washington, D.C.
- 2018 **Program Assistant for Program Committee**, *POMS Conference*, Houston, TX
- 2017 **Program Assistant for Program Committee**, *POMS Conference*, Seattle, WA
- 2015-2016 **Program Coordinator**, *Bu-Ali Sina University*
- 2012–2016 **Capstone Projects Supervisor**, *Bu-Ali Sina University*
- 2012–now **Reviewer**: *International Journal of Production Research*, *International Journal of Production Economies*, *Computer & Industrial Engineering*, *Expert Systems with Applications*, *Journal of the Operational Research Society*, *International Transactions in Operational Research*, *Engineering Optimization*, *International Journal of System Science*, *Journal of Experimental and Theoretical Artificial Intelligence*, *Journal of Structure and Infrastructure Engineering*, *Journal Industrial and Production Engineering*, *IEEE Transactions on Cybernetics*, *IEEE Access*, *Soft Computing*, *International Journal of Medical Informatics*, *Journal of Parallel and Distributed Computing*

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## Work Experience

2012-2016 **Instructor**, *Bu-Ali Sina University, Tuyserkhan's Industrial Engineering Department*  
2010–2012 **Part-time Project Control Expert**, *Beta Group, Tehran, Iran*

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## Selected Certificates and Training

**Remote Course Builder**, *University of Oregon, Lundquist College of Business*  
**Using Zoom for Teaching**, *University of Oregon, Lundquist College of Business*  
**Ph.D. Students Teaching Training**, *University of Oregon, Lundquist College of Business*  
**Teaching as a Sole Instructor**, *University of Oregon, Teaching Effectiveness Program (TEP)*  
**Creating Interactive Multimedia Lessons in Canvas**, *University of Oregon, TEP*  
**Grading and Feedback Strategy**, *University of Oregon, TEP*  
**ISO 9001, Internal Auditor**, *Iran Institute of Industrial Engineering*

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## Computer Skills

**Programming Languages:** MATLAB, Python, R  
**Optimization Packages:** GAMS, Lingo  
**Statistics and Math Packages:** STATA, Minitab, SAS  
**Project Planning and Scheduling:** Microsoft Project (MSP), Primavera (P6)  
**Experimental Design:** Design Expert, Minitab

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## Work Authorization Status

Permanent Resident (Green Card Holder)

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## References

**Prof. Michael Pangburn**, *Professor of Operations & Business Analytics*,  
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