

ALIREZA KABIRIAN

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ACADEMIC APPOINTMENTS

University of Southern California, Marshall School of Business

2021-now Associate Professor of Decision Sciences and Operations

University of California-Los Angeles, Anderson School of Management

Winter 2020 Visiting Associate Professor of Decisions, Operations, and Technology Management

Case Western Reserve University, Weatherhead School of Management

2017-2021 Faculty Director of Master of Supply Chain Management

2018-2021 Associate Professor of Operations

2014-2018 Assistant Professor of Operations

California State University-Northridge, College of Engineering and Computer Science

2011-2014 Assistant Professor of Engineering Management

University of Alaska-Anchorage, College of Business and Public Policy

2009-2011 Assistant Professor of Operations and Supply Chain Management

EDUCATION

2009 **PhD in Industrial Engineering-Operations Research**, Iowa State University
Thesis: Golden Region Search for Simulation Optimization
Advisor: Sigurdur Olafsson

2006 **MSc in Industrial Engineering**, Sharif University of Technology, Iran

2003 **BSc in Industrial Engineering**, Azad University of Najafabad, Iran

Awards

2019 Weatherhead **Faculty Teaching Excellence Award** winner for the academic year 2018-2019. The School of Management at CWRU recognizes up to two professors in the entire school for this award. As a rule, winners in a year may not be nominated for this award in the following academic year.

2017 Weatherhead **Faculty Teaching Excellence Award** winner for the academic year 2016-2017.

COURSES TAUGHT

University of Southern California, Marshall School of Business

Designing Spreadsheet-based Business Models

Supply Chain Management

Sourcing and Supplier Management

Operations Management

Case Western Reserve University, Weatherhead School of Management

Six Sigma and Quality Management

Data Mining and Visualization
Operations and Supply Chain Management
Enterprise Resources Planning in Supply Chains
Foundation of Statistics
Stochastic Modeling and Applications

University of California-Los Angeles, Anderson School of Management
Operations and Technology Management

California State University-Northridge, College of Engineering and Computer Science
Engineering Statistics
Operations Research
Project Management
Engineering Economics
Facilities Planning

University of Alaska-Anchorage, College of Business and Public Policy
Operations Management
Problem Formulation & Decision Analysis

COMPUTER SKILLS

Languages: C++, Java, Visual Basic, Python, R
Data Base: Oracle, MySQL
Notable Software: Tableau, SAP, MATLAB, CPLEX, SAS

PUBLICATIONS

Journal Articles

- Merino, R., A. Sarfaraz, K. Jenab, A. Kabirian. **An integrated model for robot selection in robotic cells under uncertain situations**, *International Journal of Logistics Systems and Management*, 20(3):395-410, Jan 2015, Inderscience
- Kabirian, A. **Economic Lot Scheduling and Pricing under Variable Production Cost**, *Journal of Global Optimization*. 54(1):1-15, Sep 2012, Springer
- Kabirian, A., S. Olafsson. **Continuous Optimization via Simulation Using Golden Region Search**, *European Journal of Operational Research*, 208(1):19-27, Jan 2011, Elsevier
- Kabirian, A. **Hybrid Probabilistic Search Methods for Simulation Optimization**, *Journal of Industrial and Systems Engineering*. 2(4):259-270, Winter 2009, IJSE
- Kabirian, A., M. R. Hemmati. **A Strategic Planning Model for Natural Gas Transmission Networks**. *Energy Policy*. 35(11): 5656-5670, Nov 2007, Elsevier

Conference Proceedings and Presentations

- Kabirian, A., A. Sarfaraz, and M. Rajai. **Revenue and Production Management in a Multi-Echelon Supply Chain**, In *Proceedings of 2013 Winter Simulation Conference*. Dec 2013, Washington, DC
- Kabirian, A., J. Gandhi, I. Costea, A. Sarfaraz, and M. Rajai. **Modifications of Engineering Management Program at California State University-Northridge**, In *Proceedings of the 120th American Society for Engineering Education Annual Conference and Exposition*. Jun 2013, Atlanta, GA
- Alkharashi, A., M. Rajai, A. Kabirian, and S. Moslehpour. **The Recent Recession in the U.S. and Creative Solutions for Recovery**, In *Proceedings of 2013 Engineering Technology Leadership Institute*. Oct 2013, Arlington, VA

- Sajedinejad, A., S. Mardani, E. Hassannayebi, A. Mohammadi, and A. Kabirian. **Simulation Based Optimization Software for Scheduling Railway Network**, In *Proceedings of 2011 Winter Simulation Conference*. Dec 2011, Phoenix, AZ
- Kabirian, A., S. Olafsson. **Selection of the Best with Stochastic Constraints**, In *Proceedings of 2009 Winter Simulation Conference*. Dec 2009, Austin, TX
- Kabirian, A., S. Olafsson. **Simulation based Optimization via Hybrid Golden Region Search**, In *Proceedings of 2009 Winter Simulation Conference*. Dec 2009, Austin, TX
- Kabirian, A. **The Role of Simulation in Innovation and Change Management Approaches**, In *Proceedings of the 3rd International Management Conference*. Dec 2005, Tehran, Iran
- Kabirian, A., S. Olafsson. **Allocation of Simulation Runs for Simulation Optimization**, In *Proceedings of 2007 Winter Simulation Conference*. Dec 2007, Washington D.C.

Additional Conference Abstracts/Posters and Presentations

- **Railing against Old Container Supply Chains by Introducing a Comprehensive 21st Century Port And Urban Based Freight Transportation Infrastructure Alternative**, *The 5th METRANS International Urban Freight Conference*, Oct 2013, Long Beach, CA (with D. Alba)
- **Integration of Revenue and Production Management for a Manufacturer of Multiple Products from Multiple Raw Materials**, *OR2013*, Sep 2013, Rotterdam, The Netherlands
- **Green Innovations in San Pedro Bay Ports**, In *the Art of Innovation Conference*, Jun 2013, Northridge, CA (with D. Alba, J. Gandhi, E. Al-Wakil, A. Mukherjee, and R. Ahmed)
- **Economic Lot Size Scheduling: An ERP View**, In *INFORMS Annual Meeting*, Nov 2011, Charlotte, NC
- **Expansion Planning of Road Networks via Agent-Based Optimization**, In *INFORMS Annual Meeting*, Nov 2010, Austin, TX
- **Expansion Planning of Road Networks via Agent-Based Optimization**, In *DSI Annual Meeting*, Nov 2010, San Diego, CA
- **Hybrid Probabilistic Search Methods for Simulation Optimization**, In *INFORMS Annual Meeting*, Oct 2009, San Diego, CA (with S. Olafsson)
- **Optimization Models for Natural Gas Transmission Pipeline Networks**, In *INFORMS Annual Meeting*, Oct 2009, San Diego, CA
- **Simulation based Optimization via Golden Partition Search**, In *INFORMS Annual Meeting*, Oct 2008, Washington D.C. (with S. Olafsson)
- **Allocation of Simulation Runs for Simulation Optimization**, In *Analysis Methodology Session, PhD Colloquium and Poster Session of 2007 Winter Simulation Conference*, Dec 2007, Washington, D.C.
- **A Random Search Method with Metamodeling for Simulation Optimization**, In *INFORMS Midwest Regional Conference*, August 2007, Evanston, IL (with S. Olafsson)