Mohammad Ebrahim Arbabian

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EDUCATION

University of Washington, Seattle, WA   2014-present
PhD in Operations Management, Foster School of Business, GPA: 3.78 out of 4.
Thesis: Application of Operations Management in Emerging Technologies
Advisors: Professor Kamran Moinzadeh and Professor Shi Chen

Khaje Nasir Toosi University of Technology, Tehran, Iran   2010-2012
MS in Industrial and Systems Engineering, School of Engineering, GPA: 17.55 out of 20
Thesis: Optimizing Supply Chain Interactions with Game Theory Approach
Advisor: Professor Emad Roghanian

Iran University of Science & Technology, Tehran, Iran   2006-2010
BS in Industrial and Systems Engineering, School of Engineering, GPA: 17.66 out of 20

RESEARCH INTERESTS

- Supply Chain Management
- Control Theory and Inventory Management
- Game Theory, Contract Theory
- Data Driven Optimization

PUBLICATIONS & RESEARCH

Published

- Hamid Haddad, Mohammad Arbabian and Keyvan Kamandani Pour, 2012, A Branch and Bound for Single Machine Stochastic Scheduling to Minimize the Maximum Lateness, *International Journal of Industrial Engineering*, Volume 3 Issue 3 pp. 499-510

Working Papers

- Mohammad Arbabian, Shi Chen, Kamran Moinzadeh, Capacity Expansion with a Bundled Supply of Attributes: An Application to Cloud Computing, submitted to *Manufacturing & Service Operations Management*, Major Revision.
- Mohammad Arbabian, Michael Wagner, The Impact of 3D Printing on Manufacturer-Retailer Supply Chains, submitted to *Production and Operations Management*.

Work In Progress

- Mohammad Arbabian, Shi Chen, Kamran Moinzadeh, Optimal Inventory Policies for Supply Chains with Bundled Supply.
- Mohammad Arbabian, Shi Chen, Kamran Moinzadeh, Optimal Transshipment Policy in Alibaba Enterprise.

TEACHING EXPERIENCE

Teaching Assistant, University of Washington, Foster School of Business, Rating: 4.4-4.6/5

- Statistical Analysis of Data, Technology Management MBA (TMMBA) — Winter 2018
- Operations and Supply Chain Management, TMMBA — Fall 2017, Fall 2018
- Introduction to Statistical Methods, Undergraduate — Spring 2015, Winter 2015, Spring 2016, Spring 2017
- Forecasting, Inventory Management, & Supply Chain Analytics, Master of Supply Chain Management — Winter 2017
- Operations Management and System Analysis, EMBA — Winter 2016

Teaching Assistant, Khaje Nasir Toosi University of Technology, Engineering School

- Queuing Systems, Graduate — 2012
- Project Management, Undergraduate — 2011

Teaching Assistant, Iran University of Science & Technology, Industrial Engineering Department

- MATLAB lab, Undergraduate — 2010
- Arena lab, Undergraduate — 2009

Mathematics Teacher at Highschool Level

- Mofid2 High School — 2006-2010
- Iran's National Organization for Development of Exceptional Talents — 2009-2013

INDUSTRY EXPERIENCE

- Cofounder, RayPars consulting company — 2011
  - Implemented Knowledge Management in Systan & Baloochestan Small to Medium size Enterprises, project manager — 2013
  - Implemented SCOR (version 11) in Assembly Department in SAIPA company, team member — 2013
  - Simulated supply chain of red meat industry in Mazandaran Province to minimize delivery time and maximize the supply chain profit, project manager — 2011-2013
  - Implemented workflows in SharePoint for 3T company, project manager — 2012
- Intern, Applied Kano and SERVQUAL model, Chatr Bam Ayegh company — 2008

AWARDS AND HONORS

- Outstanding Teaching Award, University of Washington, Information Systems and Operations Management Department — 2018
- Wayne and Ann Gittinger Fellow, University of Washington, Information Systems and Operations Management Department — 2014-2018
- Received 2nd highest GPA among undergraduates, Industrial Engineering, Iran University of Science and Technology — 2010
- Awarded an M.Sc. position without taking the required national exam, Industrial & System Engineering, School of Engineering, Khaje Nasir Toosi University of Technology, Iran — 2010

CONFERENCES

Capacity Expansion with a Bundled Supply of Attributes: An Application to Cloud Computing

- POMS, Annual Conference, Houston, TX   2018
- MSOM, Annual Conference, Dallas, TX   2018
- INFORMS, Annual Meeting, Phoenix, AZ   2018
- POMS, Annual Conference, Seattle, WA   2017
- INFORMS, Annual Meeting, Houston, TX   2017

The Impact of 3D Printing on Manufacturer-Retailer Supply Chains

- POMS, Annual Conference, Houston, TX   2018
- MSOM, Annual Conference, Dallas, TX   2018
- INFORMS, Annual Meeting, Phoenix, AZ   2018
- POMS, Annual Conference, Seattle, WA   2017
- MSOM, Annual Conference, Chapel Hill, NC   2017
- INFORMS, Annual Meeting, Houston, TX   2017

COMPUTER SKILLS

- Programming: MATLAB, Python, R-language.
- Others: WinQSB, Maple, Microsoft Project Management.

REFERENCES

- Kamran Moinzadeh
  - Professor, Foster School of Business, University of Washington, Seattle, WA
  - Email: kamran@uw.edu, Phone: +1 206-543-1932
- Shi Chen
  - Assistant Professor, Foster School of Business, University of Washington, Seattle, WA
  - Email: shichen@uw.edu, Phone: +1 206-543-7694
- Michael Wagner
  - Associate Professor, Foster School of Business, University of Washington, Seattle, WA
  - Email: mrwagner@uw.edu, Phone: +1 206-685-2755
- Yong-Pin Zhou
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  - Email: yongpin@uw.edu, Phone: +1 206-221-5324