

EDUCATION

- Ph.D., *Decisions, Operations & Technology Management*, Anderson School of Management, University of California, Los Angeles (Sept. 2014 to now; Expected June 2019)
Date of Advancement to Doctoral Candidacy: September 11, 2017.
Overall GPA: 3.92 out of 4.00.
- M.Sc., *Industrial Engineering*, Koc University, Istanbul, Turkey (Sept. 2011 to Aug. 2014)
Thesis: “Non-dominated Points of Bi-objective Mixed-Integer Programming Problems”
Ranking: 1st out of 14 (Overall GPA: 4.09 out of 4.00).
- B.Sc., *Industrial Engineering*, Sharif University, Tehran, Iran (Sept. 2007 to Aug. 2011)
Thesis: “U-shaped Assembly Line Balancing Problems: Literature Review”
Ranking: 1st out of 66 (Overall GPA: 3.87 out of 4.00).

UNDER REVIEW / PUBLISHED PAPERS

1. Fattahi, A., Dasu, S., Ahmadi, R. (2018) Mass Customization and Parts’ Capacity Planning Problem. Major revision invited at *Operations Research*.
2. Fattahi, A., Dasu, S., Ahmadi, R. (2018) The Weighted Non-Negative Least-Squares Problem with Implicitly Characterized Points. Major revision submitted to *Operations Research*.
3. Fattahi, A., Dasu, S., Ahmadi, R. (2018) Peak Load Energy Management Problem. Major revision submitted to *Operations Research*.
 - Selected as a *finalist* in POMS College of Sustainable Operations 2018 Best Student Paper Competition.
 - *UCLA Anderson Review* (1/17/2018) “A More Efficient Way to Help Utilities Share the Inconvenience of Power Outages: A model by Reza Ahmadi and Ali Fattahi could enable power companies to lower the cost of peak electricity.” *By* Michael Totty.
4. Fattahi, A., Dasu, S., Ahmadi, R. (2018) Mass Customization and “Forecasting Options’ Penetration Rates Problem”. 2nd Major revision submitted to *Operations Research*.
 - Selected as a *finalist* in POMS College of Supply Chain Management 2018 Best Student Paper Competition.
5. Rasmi, S. A. B., Fattahi, A., Turkay, M. (2018) SASS: Slicing with Adaptive Steps Search Method for Finding All Non-Dominated Solutions of Tri-Objective Mixed-Integer Linear Programming Problems. Submitted to *Annals of Operations Research*.
6. Fattahi, A., Turkay, M. (2018) A One Direction Search Method to Find the Exact Nondominated Frontier of Biobjective Mixed-Binary Linear Programming Problems. *European Journal of Operational Research*. 266(2): 415-425.
7. Fattahi, A., Turkay, M. (2015) On the MILP model for the U-shaped assembly line balancing problems. *European Journal of Operational Research*. 242(1): 343-346.
8. Fattahi, A., Turkay, M. (2015) ϵ -OA for the solution of bi-objective generalized disjunctive programming problems in the synthesis of nonlinear process networks. *Computers & Chemical Engineering*. 72: 199-209.
9. Fattahi, A., Elaoud, S., Sadeqi Azer, E., Turkay, M. (2014) A novel integer programming formulation with logic cuts for the U-shaped assembly line balancing problem. *International Journal of Production Research*. 52(5): 1318-1333.

PEER REVIEWED CONFERENCE PROCEEDINGS

1. Rasmi, S. A. B., Fattahi, A., Turkay, M., “An exact algorithm to find non-dominated facets of Tri-Objective MILPs,” *The 12th International Conference on Multiple Objective Programming and Goal Programming (MOPGP)*, 30-31 October 2017, Metz, France.

WORKING PAPERS

1. Fair Implementation of Interruptible Demand Response Programs.
2. Mass Customization and the “End-of-Horizon Portfolio Optimization Problem.”

CONFERENCES

1. Peak Load Energy Management by Direct Load Control Contracts.
 - *INFORMS 2017*, October 22-25, Houston, TX, USA.
 - *MSOM 2017*, June 20-21, Chapel Hill, NC, USA.
 - *POMS 2017*, May 5-8, Seattle, WA, USA.
2. Bi-Objective Hub Location-Allocation Problem: Min. Cost and Min. CO2 Emissions.
 - *International IIE Conference*, June 26-28, 2013, Istanbul, Turkey.
3. A Novel Integer Programming Formulation for U-Shaped Line Balancing Problems Type-1.
 - *21st ISMP*, 19-24 August, 2012, Berlin, Germany.
4. Road-Rail-Sea Hub Location-Allocation with Sustainability Considerations.
 - *EURO 2012 (EURO xxv)*, 8-11 July, Vilnius, Lithuania.

AWARDS AND GRANTS

- *Finalist* in POMS College of Supply Chain Management 2018 Best Student Paper Competition.
- *UCLA Anderson Ph.D. Program Fellowship* (\$32,000 per year), Sept. 2014 - Aug. 2018.
- *Geoffrion Art’s fund for applied research* (\$5,500), 2015-2017.
- *Harold and Pauline Price Center for Entrepreneurship and Innovation* (\$8,000), 2016-2017.
- *Ziman Center’s Howard and Irene Levine Program* (\$5,000), 2016-2017.
- *Morrison Center for Marketing and Data Analytics* (\$5,000), 2017-2018.

COMPUTER SKILLS

- *Optimization/Statistics*: R, GAMS, CPLEX.
- *Programming*: Java, C++, C#, MATLAB.
- *Others*: Latex, MS Office.

TEACHING EXPERIENCE

- *MGMT 407 Business Analytics with Spreadsheets*. Teaching Assistant. UCLA Anderson School of Management, Los Angeles, CA, Fall 2016-now.
- *MGMT 410 LEC 4&5 Operations Technology Management*. Teaching Assistant. UCLA Anderson School of Management, Los Angeles, CA, Fall 2015.
- *INDR470 Service Operations Analysis*. Grading, lab sessions, and problem solving sessions. Department of Industrial Engineering, Koc University, Istanbul, Turkey, Spring 2012 - Spring 2013.
- *INDR501 Optimization Models and Algorithms*. Grading, lab sessions, and problem solving sessions. Department of Industrial Engineering, Koc University, Istanbul, Turkey. Fall 2012.

- *INDR201 Discrete Mathematical Structures*. Grading. Department of Industrial Engineering, Koc University, Istanbul, Turkey, Fall 2011.
- *Plant Layout*. Grading. Department of Industrial Engineering, Sharif University, Tehran, Iran, Fall 2010 - Spring 2011.
- *Engineering Economics*. Grading, bi-weekly problem sessions, preparing quiz and homework. Department of Industrial Engineering, Sharif University, Tehran, Iran, Fall 2010.

WORK EXPERIENCE

- *Research Assistant*. UCLA Anderson School of Management, Los Angeles, CA. Fall 2014 to present.
- *Research Assistant*. Department of Industrial Engineering, Koc University, Istanbul, Turkey. Fall 2011 to Summer 2014.
- *Programmer*. Developed efficient *Line Balancing* software for Plant Layout Laboratory. Industrial Engineering Department, Sharif University, Spring 2010. (Supervisor: Professor Mohammad Reza Akbari)
- *Internship*. Construction project, Heramsaze Alborz Company, Tabriz, Iran, Summer 2010.

REFERENCES

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