
EDUCATION

- **UCLA Anderson School of Management** Los Angeles, CA
Ph.D. in Decisions, Operations & Technology Management; GPA: 3.92 Sept. 2014 – June 2019 (Expected)
- **Koc University** Istanbul, Turkey
M.Sc. in Industrial Engineering; GPA: 4.00 Sept. 2011 – Aug. 2014
- **Sharif University** Tehran, Iran
B.Sc. in Industrial Engineering; Ranking: 1st out of 66; GPA: 3.87 (18.01/20.00) Sept. 2007 – July 2011

INTERESTS

RESEARCH:

- Parts and product portfolio management in mass customization; Electricity peak load demand management; Large-scale optimization; Stochastic dynamic programming; Multi-objective optimization.

TEACHING:

- **MBA courses:** Business Analytics; Data Analysis; Statistics; Operations Management.
- **Undergraduate/Ph.D. courses:** Optimization; Linear Programming; Integer and Combinatorial Optimization; Dynamic Programming; Complexity Theory.

PUBLISHED & UNDER REVIEW PAPERS

1. Fattahi, A, Dasu, S, Ahmadi, R (2018) Mass Customization and “Forecasting Options’ Penetration Rates Problem.” *Operations Research*. Accepted.
 - *Finalist:* POMS College of Supply Chain Management 2018 Best Student Paper Competition.
2. Fattahi, A, Dasu, S, Ahmadi, R (2018) The Weighted Non-Negative Least-Squares Problem with Implicitly Characterized Points. *Operations Research*. Accepted.
3. Fattahi, A, Dasu, S, Ahmadi, R (2018) Mass Customization and the “Parts’ Capacity Planning Problem.” 1st Major revision submitted to *Operations Research*. (JOB MARKET PAPER)
4. Fattahi, A, Dasu, S, Ahmadi, R (2018) Peak Load Energy Management by Direct Load Control Contracts. 3rd major revision invited to *Operations Research*.
 - *2nd Place:* POMS College of Sustainable Operations 2018 Best Student Paper Competition.
 - Totty, M (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. *UCLA Anderson Review*, January 17, 2018.
5. Rasmi, SAB, 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. Major revision invited 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, SAB, Fattahi, A, Turkay, M (2017) An exact algorithm to find non-dominated facets of Tri-Objective MILPs. *The 12th International Conference on Multiple Objective Programming and Goal Programming*, October 30-31, Metz, France.

WORK IN PROGRESS

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

AWARDS, FELLOWSHIPS & GRANTS

- *2nd Place*: POMS College of Sustainable Operations 2018 Best Student Paper Competition.
- *Finalist*: POMS College of Supply Chain Management 2018 Best Student Paper Competition.
- *Dissertation Year Fellowship*: UCLA Graduate Education, Sept. 2018 – June 2019.
- *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.
- *Geoffrion Art's fund for applied research*: \$5,500; 2015 – 2017.

CONFERENCE PRESENTATIONS

1. Mass Customization and “Forecasting Options’ Penetration Rates Problem.”
 - MSOM, July 1-3, 2018, Dallas, TX.
 - SoCal OR/OM Day, May 18, 2018, Los Angeles, CA.
 - POMS, May 4-7, 2018, Houston, TX.
2. Peak Load Energy Management by Direct Load Control Contracts.
 - POMS, May 4-7, 2018, Houston, TX.
 - INFORMS, October 22-25, 2017, Houston, TX.
 - MSOM, June 20-21, 2017, Chapel Hill, NC.
 - POMS, May 5-8, 2017, Seattle, WA.
3. Bi-Objective Hub Location-Allocation Problem: Min. Cost and Min. CO2 Emissions. *International IIE Conference*, June 26-28, 2013, Istanbul, Turkey.
4. A Novel Integer Programming Formulation for U-Shaped Line Balancing Problems Type-1. *21st ISMP*, August 19-24, 2012, Berlin, Germany.
5. Road-Rail-Sea Hub Location-Allocation with Sustainability Considerations. *EURO 2012 (EURO xxv)*, July 8-11, 2012, Vilnius, Lithuania.

TEACHING ASSISTANT

- UCLA Anderson School of Management, Los Angeles, CA.
 - *MGMT 407 Business Analytics with Spreadsheets*. (Elective MBA) Fall 2016 – now.
Duties: Office hours. Grading. Helped with designing homework and exams.
Helped students with their term projects.
 - *MSBA 403 Optimization*. (core M.Sc. in Business Analytics) Fall 2017.
Duties: Office hours. Grading. Helped with designing homework and exams.
 - *MGMT 410 Operations Technology Management*. (core MBA) Fall 2015.
Duties: Office hours. Grading. Helped students with their term projects.
- Koc University, Istanbul, Turkey.
 - *INDR470 Service Operations Analysis*. (undergraduate) Spring 2012 – Spring 2013
Duties: Lab sessions. Office hours. Grading. Helped students with their term projects.
 - *INDR501 Optimization Models and Algorithms*. (graduate) Fall 2012.
Duties: Problem solving sessions. Lab sessions. Office hours. Grading.
Helped with designing homework and exams. Helped students with their term projects.
 - *INDR201 Discrete Mathematical Structures*. (undergraduate) Fall 2011.
Duties: Office hours. Grading.
- Sharif University, Tehran, Iran.
 - *Plant Layout*. (undergraduate) Fall 2010 – Spring 2011.
Duties: Office hours. Grading.
 - *Engineering Economics*. (undergraduate) Fall 2010.
Duties: Problem solving sessions. Lab sessions. Designed homework and quizzes.
Office hours. Grading.

TECHNICAL SKILLS & LANGUAGES

- *Optimization/Statistics*: R, GAMS, CPLEX.
- *Programming*: Java, C++, MATLAB.
- *Languages*: English, Farsi, Azerbaijani, Turkish.

REFERENCES



Prof. Reza Ahmadi (Ph.D. advisor)

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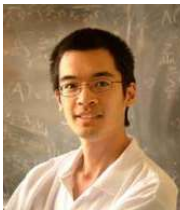
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Prof. Charles Corbett

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