

ABOLFAZL TAGHAVI



Los Angeles, CA

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EDUCATION

University of California, Los Angeles <i>Ph.D. in Operations Management</i>	Jan 2022 - Jun 2027
Sharif University of Technology <i>B.Sc. in Industrial Engineering</i>	Sep 2016 - Jan 2021

RESEARCH INTEREST

Application: Wildfire prevention, sustainable operations, power systems.
Methodology: Stochastic optimization, large scale optimization, reinforcement learning

RECENT PAPERS

1. A. Taghavi, A. Fattahi, S. Dasu, R. Ahmadi. *Preventing Catastrophic Wildfires: Annual Grid Inspection and Maintenance Plan*. Under Review, *Operations Research*. [Link]
 - Media coverage: UCLA Anderson Review
 - Finalist, POMS College of SCM Best Student Paper Award 2026
 - Accepted for Early-Career Sustainable Operations Workshop (Flash Talk), 2026
2. A. Taghavi, A. Fattahi, S. Dasu, R. Ahmadi. *Fair Dynamic Load Control Scheduling under Stochastic Energy Demand*. In preparation for submission to *Management Science*.
3. A. Taghavi, S. Dasu, R. Ahmadi. *Learning to Prevent Utility-Caused Wildfires through Sequential Inspection and Maintenance*. Working paper.

PRE-PHD PUBLICATIONS

1. A. Taghavi, S. H. J. Kang, M. Eslami, P. Dadras. *Optimal Agent Framework: A Novel, Cost-Effective Model Articulation to Fill the Integration Gap between Agent-Based Modeling and Decision-Making*. *Complexity*, 2021. [Link]
2. A. Taghavi, AH. Sadeghi, H. Zare, SH. Khaleghparast *Water Resources Dynamics: Chabahar Free-zone Case Study*. Proceedings of the International Conference on Industrial Engineering and Operations Management (IEOM), 2020. [Link]
3. A. Taghavi, AH. Sadeghi, H. Zare. *Scenario Assessment for COVID-19 Outbreak in Iran: A Hybrid Simulation–Optimization Model for Healthcare Capacity Allocation*. In: *The Science behind the COVID Pandemic and Healthcare Technology Solutions* (Book Chapter), 2022. [Link]

TEACHING EXPERIENCE

University of California, Los Angeles <i>Teaching Assistant</i>	Jan 2023 - June 2025
Sharif University of Technology <i>Teaching Assistant (graduate and undergraduate courses)</i>	Sep 2019 - Jan 2021

• Business Analytics with Spreadsheets, Prof. Reza Ahmadi

• Data Analytic Industry Seminar, Prof. Felipe Caro

• System Dynamics

• System Analysis I

• Statistical Quality Control

• Simulation Languages

• Computer Information Systems

• Facility Planning

INVITED TALKS

- INFORMS Annual Meeting, Atlanta, GA (October 2025)
SoCal OR/OM Day, Irvine, CA (May 2025)
Annual POMS Conference, Atlanta, GA (May 2025)
INFORMS Annual Meeting, Seattle, WA (October 2024)
INFORMS Annual Meeting, Phoenix, AZ (October 2023)
INFORMS Annual Meeting, Indianapolis, IN (October 2022)

**AWARDS
AND
HONORS**

- Five year Anderson Ph.D. Fellowship, UCLA
UCLA Easton Center Research Award
UCLA Academic Senate's Council on Research Grant
UCLA Fink Center for Finance Grant
UCLA Anderson DOTM Area Travel Grant
Top 10 in GPA at Sharif University of Technology

SKILLS

- Optimization:** GAMS, Cplex, AMPL.
Programming: Python, Java, MATLAB, C++.
Simulation: AnyLogic, Vensim, NetLogo.
Data Visualization: Tableau, Power BI
Languages: English, Farsi

**ACADEMIC
SERVICES**

- Journal Referee:** INFORMS TutORials in Operations Research, Journal of Applied Research on Industrial Engineering,
Conference Session Chair: POMS 2026
Membership: INFORMS, POMS, IEEE

REFERENCES

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| <p>Reza Ahmadi
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UCLA Anderson School of Management
Los Angeles, CA, USA
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