

EDUCATION	University of California, Los Angeles <i>Ph.D. in Operations Management</i> <ul style="list-style-type: none"> Committee: Reza Ahmadi (co-chair), Sriram Dasu (co-chair), Lieven Vandenberghe, Charles Corbett, Kumar Rajaram, Ali Fattahi 	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	<ol style="list-style-type: none"> A. Taghavi, A. Fattahi, S. Dasu, R. Ahmadi. <i>Preventing Catastrophic Wildfires: Annual Grid Inspection and Maintenance Plan.</i> Under Review, Operations Research. [Link] <ul style="list-style-type: none"> 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 A. Taghavi, A. Fattahi, S. Dasu, R. Ahmadi. <i>Fair Dynamic Load Control Scheduling under Stochastic Energy Demand.</i> In preparation for submission to Management Science. A. Taghavi, S. Dasu, R. Ahmadi. <i>Learning to Prevent Utility-Caused Wildfires through Sequential Inspection and Maintenance.</i> Working paper. 	
PRE-PHD PUBLICATIONS	<ol style="list-style-type: none"> A. Taghavi, S. H. J. Kang, M. Eslami, P. Dadras. <i>Optimal Agent Framework: A Novel, Cost-Effective Model Articulation to Fill the Integration Gap between Agent-Based Modeling and Decision-Making.</i> <i>Complexity</i>, 2021. [Link] A. Taghavi, AH. Sadeghi, H. Zare, SH. Khaleghparast <i>Water Resources Dynamics: Chabahar Free-zone Case Study.</i> Proceedings of the International Conference on Industrial Engineering and Operations Management (IEOM), 2020. [Link] A. Taghavi, AH. Sadeghi, H. Zare. <i>Scenario Assessment for COVID-19 Outbreak in Iran: A Hybrid Simulation–Optimization Model for Healthcare Capacity Allocation.</i> In: <i>The Science behind the COVID Pandemic and Healthcare Technology Solutions</i> (Book Chapter), 2022. [Link] 	
TEACHING EXPERIENCE	University of California, Los Angeles <i>Teaching Assistant</i> <ul style="list-style-type: none"> Business Analytics with Spreadsheets, Prof. Reza Ahmadi Data Analytic Industry Seminar, Prof. Felipe Caro 	Jan 2023 - June 2025
	Sharif University of Technology <i>Teaching Assistant (graduate and undergraduate courses)</i> <div> <ul style="list-style-type: none"> System Dynamics System Analysis I Statistical Quality Control <ul style="list-style-type: none"> Simulation Languages Computer Information Systems Facility Planning </div>	Sep 2019 - Jan 2021

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	Reza Ahmadi Professor of Decisions, Operations & Technology Management UCLA Anderson School of Management Los Angeles, CA, USA reza.ahmadi@anderson.ucla.edu	Sriram Dasu Professor of Data Sciences & Operations USC Marshall School of Business Los Angeles, CA, USA sdasu@marshall.usc.edu
	Kumar Rajaram Professor of Decisions, Operations & Technology Management UCLA Anderson School of Management Los Angeles, CA, USA kumar.rajaram@anderson.ucla.edu	Ali Fattahi Assistant Professor of Operations Management & Business Analytics Johns Hopkins Carey Business School Baltimore, MD, USA ali.fattahi@jhu.edu