

Saed Alizamir

University of Virginia
Darden School of Business
100 Darden BLVD, FOB # 169
Charlottesville, VA 22901

Phone: (919) 381-7205
Email: alizamirs@arden.virginia.edu
<https://www.darden.virginia.edu/faculty-research/directory/saed-alizamir>

Employment

Darden School of Business, University of Virginia, Charlottesville, VA
Associate Professor of Business Administration, July 2023 – present

Yale School of Management, Yale University, New Haven, CT
Associate Professor of Operations Management, July 2018 – July 2023

Faculty Affiliate:

- Center for Business & the Environment (CBEY), School of the Environment
- Public Health Modeling Concentration, School of Public Health
- Yale Institute for Foundations of Data Science

Assistant Professor of Operations Management, July 2013 - July 2018

Education

Duke University, Durham, NC
Ph.D. in Business Administration (Decision Sciences), 2013

University of Florida, Gainesville, FL
M.Sc. in Operations Research, 2008

Sharif University of Technology, Tehran, Iran
B.Sc. in Industrial Engineering, 2003

Research Interests

Methodology: Markov Decision Processes, Dynamic Programming, Game Theory, Sequential Decision Making, Analytics.

Applications: Energy & Sustainability, Social Responsibility, Data-Driven Environmental Policy Making, Healthcare Operations, Supply Chains.

Publications

- 1) Alizamir, S., de Vericourt, F. and Sun, P. (2022) Search under Accumulated Pressure, Operations Research, 70(3), pp. 1393-1409.

- 2) Alizamir, S., Chen, N., Kim, S. and Manshadi, V. (2021) Impact of Network Structure on New Service Pricing, *Mathematics of Operations Research*, 47(3), pp. 1999-2033.
- 3) Eshragh, A., Alizamir, S., Howley, P. and Stojanovski, E. (2020) Modeling the Dynamics of the COVID-19 Population in Australia: A Probabilistic Analysis, *PLoS ONE*, 15(10): e0240153.
- 4) MacNeill, A., Hopf, H., Khanuja, A., Alizamir, S., Bilec, M., Eckelman, M., Hernandez, L., McGain, F., Simonsen, K., Thiel, C., Young, S., Lagasse, R. and Sherman, J. (2020) A Call for Medical Device Transformation: Toward a Circular Economy, *Health Affairs*, 39(12), pp. 2088-2097.
- 5) Alizamir, S., de Vericourt, F. and Wang, S. (2020) Warning against Recurring Risks: An Information Design Approach, *Management Science*, 66(10), pp. 4612 - 4629.
 - This paper was covered in “Controlling the Coronavirus Is Not A Medical Problem”, *Forbes Magazine*, March 2020.
 - This paper was covered in “Why the WHO Was Afraid of Crying Pandemic”, *Yale Insights*, March 2020.
 - This paper was the winner of Best Paper Award in Humanitarian Operations & Crisis Management Track of POM Society, 2018.
- 6) Alizamir, S., Iravani, F. and Mamani, H. (2018) An Analysis of Price vs. Revenue Protection: Government Subsidies in the Agriculture Industry, *Management Science*, 65(1), pp. 32-49.
 - This paper was a finalist for the INFORMS M&SOM Society Award for Management Science Journal Best Paper in Operations Management, 2022.
- 7) Alizamir, S., de Vericourt, F. and Sun, P. (2016) Efficient Fee-In-Tariff Policies for Renewable Energy Technologies, *Operations Research*, 64(1), pp. 52-66.
 - This paper was the runner up for the 2019 ENRE (Energy, Natural Resources, and the Environment Section of INFORMS) Best Publication Award in Environment and Sustainability.
 - This paper was featured in the OR Forum in March 2016 by Professor Edieal Pinker.
 - The proposal of this paper was the winner of POMS College of Sustainable Operations Ph.D. Proposal Award Competition, 2012.
- 8) Alizamir, S., de Vericourt, F. and Sun, P. (2013) Diagnostic Accuracy under Congestion, *Management Science*, 59(1), pp. 157-171.
 - This paper was a finalist for the INFORMS M&SOM Society Best Paper Award in Service Special Interest Group (SIG), 2016.

Working Papers

- 9) The Impact of Climate Change: An Empirical Analysis of Smart Thermostat Data, under review at *Management Science* (2022) with M. Blair, and S. Wang.
- 10) Tip your farmer? implications of tipping in agriculture on sustainability and financial inclusion, second round of Major Revision at *M&SOM* (2022) with B. Kalkanci, and F. Iravani.

- This paper was covered in “Blockchain Technology Can Help Consumers Tip Farmers – But Should It?”, Yale Insights, August 2021.
- 11) Two-Sided Subsidies for Complementary Products: The Case of Electric Vehicles, reject & resubmit at Management Science (2022) with R. Tang, and M. Blair.
 - 12) Competing to Discover Compliance Violations: Self-Inspections and Enforcement Policies, working paper (2021) with S. Kim, and Y. Shi.
 - 13) Electricity Pricing with Limited Consumer Response: A Rational Inattention Approach, working paper (2021) with F. Farajbakhsh, and S. Wang.
 - 14) Capacity Investment in Wind Farms: The Role of Subsidy Policies, working paper (2021) with S. Yucel.

Work in Progress

- 15) When to Nudge the Donors: An Empirical Analysis of Blood Donation Dynamics, with B. Abbasi, and Y. Shi.

Teaching Experience

- Decision Analysis I, fall 2023
Darden School of Business, University of Virginia, MBA core
- Decision Analysis II, spring 2024
Darden School of Business, University of Virginia, MBA core
- Managing Sustainable Operations, spring 2016 – 2020, and fall 2020
Yale School of Management, Executive MBA core in Sustainability track (responsible for developing the course)
- Managing Sustainable Operations, spring 2014 – 2020, and fall 2020
Yale School of Management, MBA elective (responsible for developing the course)
- Applied Probability & Statistics, summer 2021, summer 2022, and summer 2023
Fuqua School of Business, Duke University, Master of Quantitative Management (MQM) core
- Operations Technology Management, fall 2023
Anderson School of Management, UCLA, Fully-Employed MBA (FEMBA) core
- Decision Analysis & System Dynamics, spring 2015
Yale School of Management, MBA elective (responsible for developing the course)
- Decision Analysis, spring 2014
Yale School of Management, MBA elective (responsible for developing the course)
- The Executive, spring 2016 – 2018
Yale School of Management, MBA core
- Operations Engine, spring 2016, 2019 - 2022 Yale School of Management, MBA core
- Operations Engine, spring 2018 and spring 2022 Yale School of Management, Executive MBA core
- Decision Models, spring 2012
Duke University, Master of Engineering Management (MEM) core

Scholarships and Awards

POETS & QUANTS Best 40 under 40 Professors, 2021.

Finalist, INFORMS M&SOM Society Award for Management Science Journal Best Paper in Operations Management, 2022.

Runner up for the Best Publication Award in Environment and Sustainability, ENRE (INFORMS's Section on Energy, Natural Resources, and the Environment), 2019.

Winner of Best Paper Award in Humanitarian Operations & Crisis Management, POM Society, 2018.

Finalist (honorable mention), INFORMS M&SOM Society Best Paper Award in Service Special Interest Group (SIG), 2016.

Management Science Distinguished Service Award, 2016, 2017, 2019, 2020, 2021.

Manufacturing & Service Operations Management Meritorious Service Award, 2016, 2018, 2019, 2020, 2021.

Management Science Meritorious Service Award, 2015.

Excellence in Teaching Award, E-MBA Sustainability Track, Yale School of Management, 2016.

F. K. Weyerhaeuser Memorial Fund Research Grant, Yale Center for Business and the Environment, 2015 (with Sang Kim).

Winner of POMS College of Sustainable Operations Ph.D. Proposal Award Competition, 2012 Certificate in College Teaching, Duke University Graduate School, 2012

Academic Service and Professional Activities

Associate Editor: Operations Research, summer 2021 - present.

Associate Editor: Management Science, fall 2023 – present.

Co-Chair: M&SOM Sustainable Operations Special Interest Group (SIG), M&SOM 2023.

Judge: INFORMS Public Sector Operations Research Best Paper Award, 2018 – 2022.

Judge: INFORMS M&SOM Best Student Paper Competition, 2020 – 2022.

Judge: Various student paper competitions under INFORMS and POMS, 2016 – 2022.

Co-Chair: M&SOM Cluster, INFORMS 2019.

Co-Chair: M&SOM Sustainable Operations SIG Cluster, INFORMS 2018.

Co-Organizer: Socially Responsible Operations Track, POMS 2018.

Member of: Faculty Recruiting Search Committee, Operations Management Group, Yale School of Management, Fall 2015, 2016, 2017.

Faculty Resident Fellow: Davenport College, Yale University, Summer 2016 - 2023.

Member of: Yale University's Sustainability Implementation Steering Committee, 2019 - 2023.

Academic Advisor for Ph.D. Dissertation: Michael Blair, Ph.D. student in Operations, Yale School of Management.

Academic Advisor for Ph.D. Dissertation: Yu Shi, Ph.D. student in Operations, Yale School of Management.

Ph.D. Thesis Committee Member: Scott Rodilitz, Ph.D. student in Operations, Yale School of Management.

Academic Advisor: New Incoming Ph.D. Students in Operations, Yale School of Management, 2017-2018 academic year.

Fellowship Advisor: Serena Pozza (Joint MBA-MEM student), Yale University, Awarded Ellen MacArthur Foundation Fellowship in Circular Economy, Spring 2016.

Reviewer for: Proceedings of the National Academy of Science, Operations Research, Management Science, Manufacturing & Service Operations Management, Production and Operations Management.

Member of: Institute of Operations Research and Management Science (INFORMS), Manufacturing and Service Operations Society (M&SOM), Production and Operations Management Society (POMS).

Invited Talks

Boston University, Arizona State University, Singapore Management University, Northwestern University (Kellogg), Johns Hopkins University, University of Michigan (Ross), University of Pennsylvania (Wharton), Stanford University (Bits and Watts Initiative), University of Texas at Dallas, Washington University in St. Louis, INSEAD, London Business School, ESSEC Business School, HEC Business School, Purdue University, Yale University School of Public Health, University of California at Los Angeles, University of Southern California, Khatam University (Tehran, Iran), Yale University School of Forestry & Environmental Studies, Case Western Reserve University, Georgetown University, University of North Carolina at Chapel Hill, Cornell University, Dartmouth College, Yale University School of Management, Georgia Institute of Technology, University of California at Berkeley, University of Wisconsin at Madison, University of Washington, Boston College.

Other Publications and Book Chapters

Alizamir, S., Kim, S. and Muthulingam, S. (2020) Compliance as Operations Management, Cambridge Handbook of Compliance, Benjamin van Rooij and D. Daniel Sokol (Eds.), Cambridge University Press.

Alizamir, S. (2009) Monotonic Optimization, Encyclopedia of Optimization, C.A. Floudas and P.M. Pardalos (Eds.), Springer, pp. 2316 - 2323.

Kundakcioglu, O.E. and Alizamir, S. (2009) Generalized Assignment Problem, Encyclopedia of Optimization, C.A. Floudas and P.M. Pardalos (Eds.), Springer, pp. 1153 - 1162.

Alizamir, S., Rebennack, S. and Pardalos, P.M. (2008) Improving the Neighborhood Selection Strategy in Simulated Annealing using Optimal Stopping Problem, Global Optimization: Focus on Simulated Annealing, Cher Ming Tan (Ed.), I-Tech Education and Publication, pp. 363 – 382.

Industry Experience

Iran Khodro Industrial Group (the largest automobile manufacturer in Iran), Tehran, Iran Simulation Specialist – Member of the simulation team in a large-scale simulation project for improving the company's nationwide distribution system, November 2004 – January 2006

updated November, 2023