Saed Alizamir

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Academic Appointments

Darden School of Business, University of Virginia, Charlottesville, VA
Associate Professor of Business Administration (*Data Analytics & Decision Sciences*), July 2023 – present

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

Faculty Affiliate:
- Yale Center for Business & the Environment (CBEY)
- Public Health Modeling Concentration, Yale 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: Dynamic Programming and Markov Decision Processes, Game Theory, Sequential Decision Making, Information Design, Analytics.

Applications: Energy & Sustainability, Social Responsibility, Public Health, Agricultural Supply Chains, Data-Driven Environmental Policy Making.

Editorial Servies

Associate Editor: *Operations Research*, summer 2021 – present.

Associate Editor: *Management Science*, fall 2023 – present.

Published Articles

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., Her- nandez, L., McGain, F., Simonsen, K., Thiel, C., Young, S., Lagasse, R. and Sher- man, 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 the winner of *Best Paper Award in Humanitarian Operations & Crisis Management* Track of POM Society, 2018.
- 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.

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.

Minor Revisions

9) The Impact of Climate Change: An Empirical Analysis of Smart Thermostat Data, minor revision at *Management Science* (2025) with M. Blair, and S. Wang.

10) Tip your farmer? implications of tipping in agriculture on sustainability and financial inclusion, minor revision at *M&SOM* (2025) with B. Kalkanci

- This paper was covered in "Blockchain Technology Can Help Consumers Tip Farmers – But Should It?", *Yale Insights*, August 2021.

Working Papers

11) Right to Repair: A Blessing or A Curse for Consumers, Manufacturers, and the Environment, under review at *M&SOM* (2025), with Z. Chen, and M. Pourakbar.
12) Two-Sided Subsidies for Complementary Products: The Case of Electric Vehicles, *working paper* (2025) with R. Tang, and M. Blair.

13) Competing to Discover Compliance Violations: Self-Inspections and Enforcement Policies, *working paper* (2022) with S. Kim, and Y. Shi.

14) Electricity Pricing with Limited Consumer Response: A Rational Inattention Approach, *working paper* (2025) with F. Farajbakhsh, and S. Wang.

15) Capacity Investment in Wind Farms: The Role of Subsidy Policies, *working paper* (2021) with S. Yucel.

16) A Hybrid Statistical-Machine Learning Approach for Analyzing Online Customer Behavior: An Empirical Study, *under review* (2025) with Eshragh, A., Bandara, K., Iravani, F.

17) When to Nudge the Donors: An Empirical Analysis of Blood Donation Dynamics, *working paper* (2024) with B. Abbasi, Y. Shi, and F. de Vericourt.

Teaching Experience

Darden School of Business, University of Virginia

- Decision Analysis I, fall 2023 and 2024 – MBA core
- Decision Analysis II, spring 2024 and 2025 – MBA core

School of Management, Yale University

- Managing Sustainable Operations, spring 2016 – 2020, and fall 2020 – EMBA core in sustainability track (responsible for developing the course)
- Managing Sustainable Operations, spring 2014 – 2020, and fall 2020 – MBA elective (responsible for developing the course)
- The Executive, spring 2016 – 2018 – MBA core
- Operations Engine, spring 2016, 2019 – 2022 – MBA core
- Operations Engine, spring 2018 and spring 2022 – EMBA core
- Decision Analysis & System Dynamics, spring 2014 – 2015 – MBA elective (responsible for developing the course)

Fuqua School of Business, Duke University

- Applied Probability & Statistics, summer 2021, summer 2022, and summer 2023 – Master of Quantitative Management (MQM) core
- Decision Models, spring 2012 – Master of Engineering Management (MEM) core

Anderson School of Management, UCLA

- Operations Technology Management, fall 2023 – Fully-Employed MBA (FEMBA) core

Scholarships and Awards

POETS & QUANTS "Best 40 under 40 Business School Professors", 2021.

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

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

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

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

Management Science Journal Distinguished Service Award, 2016, 2017, 2019, 2020, 2021, 2022.

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

Management Science Journal Meritorious Service Award, 2015.

Winner of *POMS College of Sustainable Operations Ph.D. Proposal Award Competition*.

Certificate in College Teaching, Duke University Graduate School, 2012.

Academic Service and Professional Activities

Associate Editor: Operations Research (since summer 2021) and Management Science (since fall 2023)

Council Member: INFORMS Decision Analysis Society (DAS), fall 2024 – present.

Faculty Affiliate and Advisor: Yale Center for Business & the Environment (CBEY), 2014 – 2023.

Faculty Advisor: Yale University's Sustainability Implementation Steering Committee, 2019 – 2023.

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

Judge: INFORMS Decision Analysis Society (DAS) Publication Award, 2025.

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

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

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

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

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

Academic Advisor: Michael Blair, Ph.D. student in Operations, Yale School of Management, graduated 2023.

Academic Advisor: Yu Shi, Ph.D. student in Operations, Yale School of Management, graduated 2024.

Dissertation Committee Member: Scott Rodilitz, Ph.D. student in Operations, Yale School of Management, graduated 2022.

Academic Advisor: New Incoming Ph.D. Students in Operations, Yale School of Management, 2017 – 2019.

Reviewer: Proceedings of the National Academy of Science, Operations Research, Management Science, Manufacturing & Service Operations Management, Production & Operations Management, 2013 – present.

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

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

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

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

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

Invited Talks

Erasmus University, Boston University, Arizona State University, Cornell University (Johnson), University of Minnesota, 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, North Carolina State University, Yale University School of Public Health, University of California at Los Angeles (Anderson), University of Southern California (Marshall), University of Utah, Khatam University (Tehran, Iran), Yale University School of Forestry & Environmental Studies, Case Western Reserve University, Georgetown University, University of North Carolina at Chapel Hill, Dartmouth College (Tuck), Georgia Institute of Technology, University of California at Berkeley (Haas), University of Wisconsin at Madison, University of Washington (Foster), 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

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

updated July, 2025