Vahideh Manshadi

Contact Information

Yale School of Management (650) 714-9120
Evans Hall, Rm 3544 vahideh.manshadi@yale.edu

Employment

Yale School of Management, New Haven, CT
Michael H. Jordan Professor of Operations 7/2024 -
Research Director for OR, Center for Algorithm, Data & Market Design 7/2023 -
Professor of Operations 7/2023 - 6/2024
Associate Professor of Operations (without tenure) 7/2019 - 6/2023
Assistant Professor of Operations 7/2014 - 6/2019
Other Yale affiliations:
- Department of Statistics and Data Science
- Cowles Foundation for Research in Economics
- Yale Institute for Foundations of Data Science
- Yale Institute for Network Science
- Public Health Modeling Concentration, School of Public Health

Education

Massachusetts Institute of Technology, Cambridge, MA 10/2011 - 6/2014
Postdoctoral Scholar
Department of Electrical Engineering & Computer Science
Operations Research Center (ORC)
Advisor: Patrick Jaillet

Stanford University, Stanford, CA 9/2009 - 9/2011
Ph.D. in Electrical Engineering
Advisor: Amin Saberi
Thesis Committee Members: Ramesh Johari; Andrea Montanari
Thesis: "Adaptive Decision-making in Information Networks"

Stanford University, Stanford, CA 9/2009 - 6/2011
M.S. in Statistics

Stanford University, Stanford, CA 9/2005 - 8/2009
Research Assistant in Electrical Engineering

Stanford University, Stanford, CA 9/2003 - 6/2005
M.S. in Electrical Engineering

Sharif Institute of Technology, Tehran, Iran 9/1999 - 8/2003
B.S. in Electrical Engineering

Visiting Positions

Stanford MS&E, Stanford, CA Fall 2023

UC Berkeley Simons Institute, Berkeley, CA Fall 2022
Program on "Graph Limits & Processes on Networks: From Epidemics to Misinformation"

UC Berkeley Simons Institute, Berkeley, CA Fall 2022
Program on "Data-Driven Decision Processes"

UC Berkeley Simons Institute, Berkeley, CA Fall 2019
Program on "Online and Matching-Based Market Design"

Research Interests

AI for Social Good; AI-Enabled Search & Recommendation; Matching Platforms; Information Design & Learning; Market and Policy Design for Sustainability; Algorithmic Fairness

Selected Honors & Awards

2026 Featured in *Mathematics of Operations Research* 50th Anniversary Editors' List of 50 Influential Papers for *Online stochastic matching: Online actions based on offline statistics.*

2026 First place, Service Science Best Student Paper Competition for *Who to Offer, and When: Redesigning Feeding America's Real-Time Donation System* - entrant: S. Lee.

2026 Second place, Jeff McGill Student Paper Award for *Who to Offer, and When: Redesigning Feeding America's Real-Time Donation System* - entrant: S. Lee.

2026 Thesis advisor of S. Lee, Second place in 2026 INFORMS George Dantzig Dissertation Award.

2025 Finalist, best AE award of the M&SOM journal.

2025 Honorable mention, George Nicholson Student Paper Competition for *Dynamic Matching with Post-allocation Service and its Application to Refugee Resettlement*- entrant: S. Lee.

2025 Finalist, Service Science Best Student Paper Competition for *Dynamic Matching with Post-allocation Service and its Application to Refugee Resettlement* - entrant: S. Lee.

2025 Best OM Paper in *Operations Research* Award for *Learning Product Rankings Robust to Fake Users.*

2025 Yale Planetary Solutions Grant (25k).

2024 First place, Michael H. Rothkopf Junior Researcher Paper Prize (awarded by INFORMS Auctions and Market Design Section) for *Dynamic Matching with Post-allocation Service and its Application to Refugee Resettlement* - entrant: S. Lee.

2024 First place, MSOM Best Student Paper Prize for *Dynamic Matching with Post-allocation Service and its Application to Refugee Resettlement* - entrant: S. Lee .

2024 Finalist, INFORMS Public Sector OR Best Paper Award for *Redesigning Volunteer-Match's Ranking Algorithm: Toward More Equitable Access to Volunteers*

2024 Finalist, Service Science Best Student Paper Competition for *Redesigning Volunteer-Match's Ranking Algorithm: Toward More Equitable Access to Volunteers* - entrant: A. Suresh.

2024 Finalist, Revenue Management & Pricing Practice Award for *Redesigning Volunteer-Match's Ranking Algorithm: Toward More Equitable Access to Volunteers.*

2024 Dean's Office Research Grant (50k), Yale School of Management.

2023 Honorable mention, Doing Good with Good OR Student Paper Competition for *Analytics for Societal Impact: Improving Access to Volunteers on VolunteerMatch* - entrant: A. Suresh.

2023 Third place, INFORMS Service Science Best Student Paper Award for *Fair Markovian Search* - entrant: M. R. Aminian.

2022 Finalist, INFORMS Data Mining Best Paper Competition for *Learning Product Rankings Robust to Fake Users*.

2021 First place, Michael H. Rothkopf Junior Researcher Paper Prize (awarded by INFORMS Auctions and Market Design Section) for *Fair Dynamic Rationing*- entrant: R. Niazadeh.

2021 Second place, MSOM Best Student Paper Prize for *Online Policies for Efficient Volunteer Crowdsourcing* - entrant: S. Rodilitz.

2021 Third place, Michael H. Rothkopf Junior Researcher Paper Prize (awarded by INFORMS Auctions and Market Design Section) for *Designing Approximately Optimal Search on Matching Platforms* - entrant: A. Wei.

2021 Finalist, INFORMS Service Science Best Student Paper Award for *Online Policies for Efficient Volunteer Crowdsourcing* - entrant: S. Rodilitz.

2021 Finalist, ACM EC Exemplary Applied Modeling Track Paper for *Designing Approximately Optimal Search on Matching Platforms*.

2021 Thesis advisor of S. Rodilitz, honorable mention in 2021 INFORMS George Dantzig Dissertation Award.

2020 Finalist, INFORMS Public Sector OR Best Paper Award for *Online Policies for Efficient Volunteer Crowdsourcing*.

2020 Third place, Inaugural Michael H. Rothkopf Junior Researcher Paper Prize (awarded by INFORMS Auctions and Market Design Section) for *Online Policies for Efficient Volunteer Crowdsourcing* - entrant: S. Rodilitz.

2019 Meritorious Service Award, *Management Science*.

2019 Finalist, ACM EC Exemplary Applied Modeling Track Paper for *Information Inundation on Platforms and Implications*.

2018 Meritorious Service Award, *Management Science*.

JOURNAL ARTICLES

J1. Mohammad Reza Aminian, Vahideh Manshadi, and Rad Niazadeh. "Markovian Search with Ex-Ante Constraints: Theory and Applications to Socially Aware Algorithmic Hiring." *Management Science*, 2025.

(a) Subsumes "Fair Markovian Search."

(b) **Third place, INFORMS Service Science Best Student Paper Award, 2023**

(c) Accepted at *The 5th Symposium on Foundations of Responsible Computing (FORC)*, 2024.

(d) Oral presentation at *The 4th ACM Conference on Equity & Access in Algorithms, Mechanisms, & Optimization (EAAMO)*, 2024.

(e) Featured in *Chicago Booth Review*.

J2. Kirk Bansak, Soonbong Lee, Vahideh Manshadi, Rad Niazadeh, and Elisabeth Paulson. "Dynamic Matching with Post-allocation Service and its Application to Refugee Resettlement." *Management Science*, Articles In Advance, 2026.

(a) **First place, MSOM Best Student Paper Prize, 2024**

(b) **First place, Michael H. Rothkopf Junior Researcher Paper Prize (awarded by INFORMS Auctions and Market Design Section), 2024.**

(c) **Honorable mention, George Nicholson Student Paper Competition, 2025**

(d) **Finalist, Service Science Best Student Paper Competition, 2025**

(e) Conference version in *The 25th ACM Conference on Economics and Computation (EC)*, 2024.

(f) Accepted to the NBER Market Design Working Group Meeting, 2024.

(g) Accepted at *The 5th Symposium on Foundations of Responsible Computing (FORC)*, 2024.

(h) Oral presentation at *The 4th ACM Conference on Equity & Access in Algorithms, Mechanisms, & Optimization (EAAMO)*, 2024.

(i) Featured on *Yale Insights*.

J3. Vahideh Manshadi, Scott Rodilitz, Daniela Saban, and Akshaya Suresh. "Redesigning VolunteerMatch's Ranking Algorithm: Toward More Equitable Access to Volunteers." *Management Science*, Articles In Advance, 2025.

(a) Subsumes "Analytics for Societal Impact: Improving Access to Volunteers on VolunteerMatch."

(b) **Honorable mention, Doing Good with Good OR Student Paper Competition, 2023**

(c) **Winner, INFORMS Public Sector OR Best Video Award, 2023**

(d) **Finalist, Revenue Management & Pricing Practice Award, 2024**

(e) **Finalist, INFORMS Public Sector OR Best Paper Award, 2024**

(f) **Finalist, Service Science Best Student Paper Competition, 2024**

(g) Presentation at *The MSOM Sustainable Operations SIG*, 2024.

(h) Featured on *Yale Insights* (covered on YaleNews).

J4. Vahideh Manshadi, Scott Rodilitz, Daniela Saban, and Akshaya Suresh. "Online Algorithms for Matching Platforms with Multi-Channel Traffic." *Management Science*, vol. 71, no. 9, 2025, pp. 7674-7691.

(a) Conference version in *The 23rd ACM Conference on Economics and Computation (EC)*, 2022.

(b) Oral presentation at *The 2nd ACM Conference on Equity & Access in Algorithms, Mechanisms, & Optimization (EAAMO)*, 2022.

(c) Featured on *UCLA Anderson Review*.

J5. Irene Lo, Vahideh Manshadi, Scott Rodilitz, and Ali Shameli. "Commitment on Volunteer Crowdsourcing Platforms: Implications for Growth and Engagement." *Manufacturing & Service Operations Management*, vol. 26, no. 5, 2024, pp. 1787-1805.

(a) Conference version in *The 25th ACM Conference on Economics and Computation (EC)*, 2024.

(b) Featured on *UCLA Anderson Review*.

J6. Vahideh Manshadi, Rad Niazadeh, and Scott Rodilitz. "Fair Dynamic Rationing." *Management Science*, vol. 69, no. 11, 2023, pp. 6818-6836.

(a) **First place, Michael H. Rothkopf Junior Researcher Paper Prize (awarded by INFORMS Auctions and Market Design Section - entrant: R. Niazadeh), 2021**

(b) Conference version in *The 22nd ACM Conference on Economics and Computation (EC)*, 2021.

(c) Presentation at *The MSOM Service SIG*, 2022 **(10 selected out of 84)**.

(d) Spotlight presentation at *INFORMS RMP*, 2021 (16 selected out of 80).

(e) Accepted at *The 2nd Symposium on Foundations of Responsible Computing (FORC)*, 2021.

(f) Oral presentation at *The 1st ACM Conference on Equity & Access in Algorithms, Mechanisms, & Optimization (EAAMO)*, 2021.

(g) Featured on *Yale Insights*, in *Chicago Booth Review*, and in *UCLA Anderson Review*.

J7. Nicole Immorlica, Brendan Lucier, Vahideh Manshadi, and Alexander Wei. "Designing Approximately Optimal Search on Matching Platforms." *Management Science*, vol. 69, no. 8, 2023, pp. 4609-4626.

(a) **Third place, Michael H. Rothkopf Junior Researcher Paper Prize (awarded by INFORMS Auctions and Market Design Section - entrant: A. Wei), 2021.**

(b) **Finalist, ACM EC Exemplary Applied Modeling Track Paper, 2021.**

(c) Conference version in *The 22nd ACM Conference on Economics and Computation (EC)*, 2021.

J8. Jerry Anunrojwong, Kris Iyer, and Vahideh Manshadi. "Information Design for Congested Social Services: Optimal Need-Based Persuasion." *Management Science*, vol. 69, no. 7, 2023, pp. 3778-3796.

(a) **Featured Article** (blog post on *Management Science Review*).

(b) Conference version in *The 21st ACM Conference on Economics and Computation (EC)*, 2020.

(c) Presentation at *The MSOM Service SIG*, 2021 **(10 selected out of 100)**.

(d) Oral presentation at *The 4th Workshop on Mechanism Design for Social Good (MD4SG)*, 2020.

J9. Negin Golrezaei, Vahideh Manshadi, Jon Schneider, and Shreyas Sekar. "Learning Product Rankings Robust to Fake Users." *Operations Research*, vol. 71, no. 4, 2023, pp. 1171-1196.

(a) **Best OM Paper in *Operations Research* Award, 2025**

(b) **Finalist, INFORMS Data Mining Best Paper Competition, 2022.**

(c) **Winner, INFORMS MIF Paper Competition, 2023.**

(d) Conference version in *The 22nd ACM Conference on Economics and Computation (EC)*, 2021.

J10. Vahideh Manshadi and Scott Rodilitz. "Online Policies for Efficient Volunteer Crowdsourcing." *Management Science*, vol. 68, no. 9, 2022, pp. 6572-6590.

(a) **Second place, MSOM Best Student Paper Prize, 2021.**

(b) **Third place, Michael H. Rothkopf Junior Researcher Paper Prize (awarded by INFORMS Auctions and Market Design Section - entrant: S. Rodilitz), 2020.**

(c) **Finalist, INFORMS Public Sector OR Best Paper Award, 2020.**

(d) **Finalist, INFORMS Service Science Best Student Paper Award, 2021.**

(e) Conference version in *The 21st ACM Conference on Economics and Computation (EC)*, 2020.

(f) Oral presentation at *The 4th Workshop on Mechanism Design for Social Good (MD4SG)*, 2020.

(g) Accepted at *The 2nd Symposium on Foundations of Responsible Computing (FORC)*, 2021.

(h) Featured on *Yale Insights*.

J11. Mahsa Derakhshan, Negin Golrezaei, Vahideh Manshadi, and Vahab Mirrokni. "Product Ranking on Online Platforms." *Management Science*, vol. 68, no. 6, 2022, pp. 4024-4041.

(a) Conference version in *The 21st ACM Conference on Economics and Computation (EC)*, 2020.

(b) Presentation at *The MSOM Service SIG*, 2018 **(8 selected out of 66)**.

J12. Saed Alizamir, Ningyuan Chen, Sang Kim, and Vahideh Manshadi. "Impact of Network Structure on New Service Pricing." *Mathematics of Operations Research*, vol. 47, no. 3, 2022, pp. 1999-2033.

J13. Gad Allon, Kimon Drakopoulos, and Vahideh Manshadi. "Information Inundation on Platforms and Implications." *Operations Research*, vol. 69, no. 6, 2021, pp. 1784-1804.

(a) **Finalist, ACM EC Exemplary Applied Modeling Track Paper, 2019**.

(b) Conference version in *The 20th ACM Conference on Economics and Computation (EC)*, 2019.

(c) Featured on *Yale Insights*.

J14. Dawsen Hwang, Patrick Jaillet, and Vahideh Manshadi. "Online Resource Allocation under Partially Predictable Demand." *Operations Research*, vol. 69, no. 3, 2021, pp. 895-915.

J15. Vahideh Manshadi, Sidhant Misra, and Scott Rodilitz. "Diffusion in Random Networks: Impact of Degree Distribution." *Operations Research*, vol. 68, no. 6, 2020, pp. 1722-1741.

(a) Conference version in *The 13th Workshop on the Economics of Networks, Systems and Computation (NetEcon)*, 2018.

J16. Itai Ashlagi, Max Burq, Patrick Jaillet, and Vahideh Manshadi. "On Matching and Thickness in Heterogeneous Dynamic Markets." *Operations Research*, vol. 67, no. 4, 2019, pp. 927-949.

(a) Conference version in *The 17th ACM Conference on Economics and Computation (EC)*, 2016.

(b) Featured on *Yale Insights* and *Market Design Blog*.

J17. Virgile Galle, Vahideh Manshadi, Setareh Borjian Boroujeni, Cynthia Barnhart, and Patrick Jaillet. "The Stochastic Container Relocation Problem." *Transportation Science*, vol. 52, no. 5, 2018, pp. 1035-1058.

J18. Itai Ashlagi, Adam Bingaman, Maximilien Burq, Vahideh Manshadi, David Gamarnik, Cathi Murphey, Alvin E. Roth, Marc L. Melcher, and Michael A. Rees. "The Effect of Match-Run Frequencies on the Number of Transplants and Waiting Times in Kidney Exchange." *American Journal of Transplantation*, vol. 18, no. 5, 2018, pp. 1177-1186.

J19. Virgile Galle, Setareh Borjian Boroujeni, Vahideh Manshadi, Cynthia Barnhart, and Patrick Jaillet. "An Average-Case Asymptotic Analysis of the Container Relocation Problem." *Operations Research Letters*, vol. 44, no. 6, 2016, pp. 723-728.

J20. Vahideh Manshadi, Shayan Oveis Gharan, and Amin Saberi. "Online Stochastic Matching: Online Actions Based on Offline Statistics." *Mathematics of Operations Research*, vol. 37, no. 4, 2012, pp. 559-573.

(a) Featured in *Mathematics of Operations Research* 50th Anniversary Editors' List of 50 Influential Papers

(b) Lead article.

(c) Conference version in *The 22nd Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)*, 2011.

J21. Hyunok Lee, Vahideh Manshadi, and Donald C. Cox. "High-Fidelity and Time-Driven Simulation of Large Wireless Networks with Parallel Processing." *IEEE Communications Magazine*, vol. 47, no. 3, 2009, pp. 158-165.

Working Papers & Work in Progress

W1. Yiding Feng, Vahideh Manshadi, Rad Niazadeh, and Saba Neyshabouri. "Robust Dynamic Staffing with Predictions." Minor revision at *Operations Research*, 2026.

(a) Presentation at *The MSOM Service SIG*, 2024.

(b) Conference version in *The 26th ACM Conference on Economics and Computation (EC)*, 2025.

W2. Setareh Farajollahzadeh, Soonbong Lee, Vahideh Manshadi, and Faidra Monachou. "Why the Rooney Rule Fumbles: Limitations of Interview-stage Diversity Interventions in Labor Markets." Major revision at *Operations Research*, 2025.

(a) Conference version in *The 26th ACM Conference on Economics and Computation (EC)*, 2025.

(b) Oral presentation at *The 5th ACM Conference on Equity & Access in Algorithms, Mechanisms, & Optimization (EAAMO)*, 2025.

(c) Presentation at *The MSOM Sustainable Operations SIG*, 2026.

W3. Vahideh Manshadi, Faidra Monachou, and Ilan Morgenstern. "Offsetting Carbon with Lemons: Adverse Selection and Certification in the Voluntary Carbon Market." Major revision at *Management Science*, 2026.

(a) Conference version in *The 27th ACM Conference on Economics and Computation (EC)*, 2026.

W4. Yuri Fonseca, Vahideh Manshadi, and Daniela Saban. "Procurement Design with Network Effects: A Case Study in Infrastructure." Major revision at *Manufacturing & Service Operations Management*, 2026.

(a) Conference version in *The 27th ACM Conference on Economics and Computation (EC)*, 2026.

W5. Ari Lerner, Vahideh Manshadi, and Jamie Tucker-Foltz. "Conservation Planning at Scale: Efficient Design of Connected Reserve Networks via Random Spanning Trees." Under review, 2026.

W6. Akshit Kumar, Vahideh Manshadi, and Akhilesh Tumu. "How Much Should a Conversational Recommender System Converse?" Working paper, 2026.

(a) Conference version in *The 27th ACM Conference on Economics and Computation (EC)*, 2026.

W7. Soonbong Lee, Vahideh Manshadi, and Daniela Saban. "Who to Offer, and When: Redesigning Feeding America's Real-Time Donation System." Working paper, 2026.

(a) **First place, Service Science Best Student Paper Competition, 2026**

(b) **Second place, Jeff McGill Student Paper Award, 2026**

W8. Ari Lerner, Soonbong Lee, and Vahideh Manshadi. "Serving Fast and Slow: Optimal Notification Policies under Response Heterogeneity." Work in progress, 2025.

W9. Yeganeh Alimohammadi, Saed Alizamir, Jiaxi Liang, and Vahideh Manshadi. "Diffusing Traceable Sustainable Practices in Supply Chain Networks: Incentives, Market Distortions, and Interventions." Work in progress, 2025.

W10. Akshit Kumar and Vahideh Manshadi. "Artificial Intelligence Clones and Matching Markets." Work in progress, 2026.

Peer-Reviewed Conference Papers

C1. Vahideh Manshadi, Faidra Monachou, and Ilan Morgenstern. "Offsetting Carbon with Lemons: Adverse Selection and Certification in the Voluntary Carbon Market." *Proceedings of the 27th ACM Conference on Economics and Computation (EC)*, 2026.

C2. Yuri Fonseca, Vahideh Manshadi, and Daniela Saban. "Procurement Design with Network Effects: A Case Study in Infrastructure." *Proceedings of the 27th ACM Conference on Economics and Computation (EC)*, 2026.

C3. Akshit Kumar, Vahideh Manshadi, and Akhilesh Tumu. "How Much Should a Conversational Recommender System Converse?" *Proceedings of the 27th ACM Conference on Economics and Computation (EC)*, 2026.

C4. Yiding Feng, Vahideh Manshadi, Rad Niazadeh, and Saba Neyshabouri. "Robust Dynamic Staffing with Predictions." *Proceedings of the 26th ACM Conference on Economics and Computation (EC)*, 2025.

C5. Setareh Farajollahzadeh, Soonbong Lee, Vahideh Manshadi, and Faidra Monachou. "Why the Rooney Rule Fumbles: Limitations of Interview-stage Diversity Interventions in Labor Markets." *Proceedings of the 26th ACM Conference on Economics and Computation (EC)*, 2025.

C6. Kirk Bansak, Soonbong Lee, Vahideh Manshadi, Rad Niazadeh, and Elisabeth Paulson. "Dynamic Matching with Post-allocation Service and its Application to Refugee Resettlement." *Proceedings of the 25th ACM Conference on Economics and Computation (EC)*, 2024.

C7. Irene Lo, Vahideh Manshadi, Scott Rodilitz, and Ali Shameli. "Commitment on Volunteer Crowdsourcing Platforms: Implications for Growth and Engagement." *Proceedings of the 25th ACM Conference on Economics and Computation (EC)*, 2024.

C8. Vahideh Manshadi, Scott Rodilitz, Daniela Saban, and Akshaya Suresh. "Online Algorithms for Matching Platforms with Multi-Channel Traffic." *Proceedings of the 23rd ACM Conference on Economics and Computation (EC)*, 2022.

C9. Vahideh Manshadi, Rad Niazadeh, and Scott Rodilitz. "Fair Dynamic Rationing." *Proceedings of the 22nd ACM Conference on Economics and Computation (EC)*, 2021.

C10. Negin Golrezaei, Vahideh Manshadi, Jon Schneider, and Shreyas Sekar. "Learning Product Rankings Robust to Fake Users." *Proceedings of the 22nd ACM Conference on Economics and Computation (EC)*, 2021.

C11. Nicole Immorlica, Brendan Lucier, Vahideh Manshadi, and Alexander Wei. "Designing Approximately Optimal Search on Matching Platforms." *Proceedings of the 22nd ACM Conference on Economics and Computation (EC)*, 2021.

C12. Vahideh Manshadi and Scott Rodilitz. "Online Policies for Efficient Volunteer Crowdsourcing." *Proceedings of the 21st ACM Conference on Economics and Computation (EC)*, 2020.

C13. Jerry Anunrojwong, Krishnamurthy Iyer, and Vahideh Manshadi. "Information Design for Congested Social Services: Optimal Need-Based Persuasion." *Proceedings of the 21st ACM Conference on Economics and Computation (EC)*, 2020.

C14. Mahsa Derakhshan, Negin Golrezaei, Vahideh Manshadi, and Vahab Mirrokni. "Product Ranking on Online Platforms." *Proceedings of the 21st ACM Conference on Economics and Computation (EC)*, 2020.

C15. Gad Allon, Kimon Drakopoulos, and Vahideh Manshadi. "Information Inundation on Platforms and Implications." *Proceedings of the 20th ACM Conference on Economics and Computation (EC)*, 2019.

C16. Vahideh Manshadi, Sidhant Misra, and Scott Rodilitz. "Diffusion in Random Networks: Impact of Degree Distribution." *Proceedings of the 13th Workshop on the Economics of Networks, Systems and Computation (NetEcon)*, 2018.

C17. Itai Ashlagi, Maximilien Burq, Patrick Jaillet, and Vahideh Manshadi. "On Matching and Thickness in Heterogeneous Dynamic Markets." *Proceedings of the 17th ACM Conference on Economics and Computation (EC)*, 2016.

C18. Itai Ashlagi, Patrick Jaillet, and Vahideh Manshadi. "Kidney Exchange in Dynamic Sparse Heterogeneous Pools." *Proceedings of the 14th ACM Conference on Economics and Computation (EC)*, 2013.

C19. Vahideh Manshadi and Amin Saberi. "Dynamics of Prisoner's Dilemma and the Evolution of Cooperation on Networks." *Proceedings of the 3rd Innovations in Theoretical Computer Science Conference (ITCS)*, 2012.

C20. Arthur J. Friend, Vahideh Manshadi, and Amin Saberi. "Distributed Node Placement Algorithms for Constructing Well-Connected Sensor Networks." *Proceedings of the 31st IEEE International Conference on Computer Communications (INFOCOM)*, 2012.

C21. Vahideh Manshadi and Amin Saberi. "Prisoner's Dilemma on Graphs with Large Girth." *Proceedings of the 6th Workshop on the Economics of Networks, Systems and Computation (NetEcon)*, 2011.

C22. Vahideh Manshadi, Shayan Oveis Gharan, and Amin Saberi. "Online Stochastic Matching: Online Actions Based on Offline Statistics." *Proceedings of the 22nd Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)*, 2011.

C23. Vahideh Manshadi and Ramesh Johari. "Supermodular Network Games." *The 47th Annual Allerton Conference on Communication, Control, and Computing (Allerton)*, 2009.

C24. Amin Firoozshahian, Vahideh Manshadi, Ashish Goel, and Balaji Prabhakar. "Efficient, Fully Local Algorithms for CIOQ Switches." *Proceedings of the 26th IEEE International Conference on Computer Communications (INFOCOM)*, 2007.

C25. Hyunok Lee, Vahideh Manshadi, Donald C. Cox, and Nim K. Cheung. "High-Fidelity Simulation of Mobile Cellular Systems with Integrated Resource Allocation and Adaptive Antennas." *IEEE Wireless Communications and Networking Conference (WCNC)*, 2007.

Teaching Experience

Yale School of Management

- MGT 819: Big Data (MBA elective) - co-developed with D. Lee (taught in Spring 2015; Fall 2015-2020; Spring 2021-2025).
- MGT 868: Revenue Management (MBA elective) - developed (taught in Spring 2015; Fall 2015; Fall 2016).
- ECON 675/MGMT 720: Models of Operations Research and Management (Ph.D. course) - developed (taught in Fall 2016-2021; Spring 2022-2025).

Media Recognition

"How a Political-Redistricting Technique Could Help Protect More Wildlife for Less." *Yale Insights*, October 26, 2026 (covered on *YaleNews*).

"To Reduce Emissions, the Carbon Offsets Market Needs One Crucial Fix." *Yale Insights*, July 22, 2026.

"How Nonprofits Can Better Engage Volunteers." *UCLA Anderson Review*, September 11, 2024.

"Algorithms and AI Can Make Hiring More Diverse." *Chicago Booth Review*, August 05, 2024.

"Using Operations Research to Improve the Refugee Resettlement Process." *Yale Insights*, June 25, 2024.

"Balancing Needs: Information Design Mitigates Congestion in Social Services." *Management Science Review*, November 7, 2023.

"A Better Algorithm Can Bring Volunteers to More Organizations." *Yale Insights*, September 21, 2023 (covered on *YaleNews*).

"Distributing Aid Fairly Amid Scarcity and Unknown Demand." *UCLA Anderson Review*, August 16, 2023

"Matching Algorithms Work Fine—Until Bypassed By External Links." *UCLA Anderson Review*, February 1, 2023.

"An Abundance of Media Fuels Polarization." *Yale Insights*, March 9, 2022.

"How to Distribute Scarce Medical Supplies in a Pandemic—and Do It Fairly." *Yale Insights*, August 26, 2021.

"How to Ration Scarce Resources Fairly." *Chicago Booth Review*, May 27, 2021.

"How Better Mobile Crowdsourcing Can Help Combat Food Waste and Feed the Hungry." *Yale Insights*, April 08, 2021.

"Three Questions: Prof. Vahideh Manshadi on Improving Kidney Donation." *Yale Insights*,

July 18, 2019.

"Kidney Exchange Registries Should Collaborate to Save More Lives." *Yale Insights*, May 14, 2019 (covered on *Market Design Blog*).

"Miracle Matches." *MIT News*, October 15, 2013 (covered on *Market Design Blog*).

Professional Activities

Ph.D. Advising:

- Ph.D. Advisor: Scott Rodilitz, Yale, Ph.D. in Operations, 2021.
  - **Placement: Assistant Professor, UCLA Anderson School of Management.**
  - **Honorable mention, INFORMS George Dantzig Dissertation Award, 2021.**
- Ph.D. Co-advisor: Akshaya Suresh, Yale, Ph.D. in Operations, 2024 (primary advisor: Ed Kaplan).
  - Placement: RAND Corporation.
- Ph.D. Advisor: Soonbong Lee, Yale, fifth-year Ph.D. student in Operations.
  - **Placement: Assistant Professor, Cornell Johnson Graduate School of Management.**
  - **Second place, INFORMS George Dantzig Dissertation Award, 2026.**

Postdoc Advising:

- Ningyuan Chen, 2015-2016 (jointly with Saed Alizamir and Sang Kim).
- Scott Rodilitz, 2021-2022 (jointly with Daniela Saban).
- Yiding Feng, 2023-2024 (jointly with Rad Niazadeh).
- Yuri Fonseca, 2024-2025 (jointly with Daniela Saban).

Mentorship & Thesis Committee:

- Ph.D. Thesis Committee & Coauthor: Virgile Galle, MIT, Ph.D. in OR, 2018.
- Ph.D. Thesis Committee & Coauthor: Dawsen Hwang, MIT, Ph.D. in EECS, 2016.
- Mentor & Coauthor: Maximilien Burq, MIT, Ph.D. in Operations Research, 2019.
- Mentor & Coauthor: Alex Wei, UC Berkeley, Ph.D. in CS.
- Coauthor: Mohammad Reza Aminian, Chicago Booth, Ph.D. candidate in OM.
- Coauthor: Jerry Anunrojwong, Columbia GSB, Ph.D. candidate in DRO.
- Coauthor: Mahsa Derakhshan, University of Maryland, Ph.D. in CS, 2021.
- Coauthor: Setareh Borjian, MIT, M.S. in Operations Research, 2016.
- Ph.D. Thesis Committee: Cheng Hua, Yale, Ph.D. in Operations, 2020.
- Ph.D. Thesis Committee: Tong Wang, Yale, Ph.D. in CEE, 2022.
- Ph.D. Thesis Committee: Michael Blair, Yale, Ph.D. in Operations, 2023.
- Ph.D. Thesis Committee: Yen-Shao Chen, Yale, Ph.D. in Operations, 2026.
- Ph.D. Thesis Committee: Hemanshu Das, Yale, Ph.D. in Operations, 2026.
- Ph.D. Thesis Committee: Hannah Wang, Yale, Ph.D. student in School of the Environment.
- Ph.D. Thesis Committee: M. Reza Aminian, Chicago Booth, Ph.D. candidate in OM.
- Ph.D. Thesis Committee: Jinzhao Wu , Yale, Ph.D. candidate in CS.

Community Leadership:

- President of the INFORMS Auctions and Market Design (AMD) Section (2026–2027).

- Chair, Lanchester Prize Committee (2026).
- Track Chair, ACM EC - Applied Modeling Track (2026).
- Co-Chair, MSOM Service SIG Conference (2026).
- Co-Chair, ACM EC Tutorials (2025-2026).
- Vice President of the INFORMS AMD Section (2024–2025).
- Program Co-Chair, ACM Conference on Equity & Access in Algorithms, Mechanisms, & Optimization EAAMO (2023).
- Local Co-Chair, ACM EC (2024).
- Area Chair, ACM EAAMO (2024).
- Chair, INFORMS RMP Section Jeff McGill Student Paper Award Committee (2023).
- Treasurer of INFORMS Auctions and Market Design (AMD) Section (2023–2024).
- Area Chair, ACM EC (2023).
- Co-Organizer, Marketplace Innovation Workshop (2022–present).
- Co-Chair, ACM EC'21 Workshop on "Operations of People-Centric Systems" - co-chaired with Nikhil Garg and Vijay Kamble (2021).
- Co-Organizer, INFORMS AMD Online Seminar Series - co-organized with Ozan Candogan and Fanyin Zheng (2020–2022).
- Track Chair, ACM EC - Applied Modeling Track (2021).
- Area Chair, ACM EAAMO - Applied Modeling (2021).
- Organizer, The 4th Workshop on Networks, Matching, and Platforms (2020).
- Invited Session Chair, POMS Annual Conference (2019), INFORMS International Meeting (2016), INFORMS Annual Meeting (multiple sessions every year in various clusters, including AMD, Applied Probability, MOSM, RMP, and MSOM Service SIG).

Editorial Roles:

- Associate Editor, *Management Science* - Department: Market Design, Platform, & Demand Analytics (2024–present).
- Associate Editor, *Operations Research* - Area: Societal Impact (2024–present).
- Associate Editor, *Operations Research* - Area: Markets, Platforms, & Revenue Management (2024–present).
- Associate Editor, *Manufacturing & Service Operations Management* - Department: Services, Platforms, & Revenue Management (2021–2024).
- Associate Editor, *Operations Research* - Area: Revenue Management & Market Analytics (2020–2023).
- Associate Editor, *Management Science* - Department: Revenue Management & Market Analytics (2020–2023).
- Guest Associate Editor, *Operations Research* - Area: Revenue Management & Market Analytics (2019–2020).

Other Professional Service:

- Senior Program Committee, ACM EC (2019, 2020, 2025), The Conference on Web and Internet Economics (2021, 2025).
- Judge for MSOM SIG, Supply Chain Management (2016); Service Operations (2020–2021).

- Program Committee, ACM EC (2018); the Web Conference (2020); the 4th Workshop on Mechanism Design for Social Good (2020).
- Prize/Competition Committee Member, George Nicholson Student Paper Competition (2021–2022); RMP Section Jeff McGill Student Paper Award (2022); Lanchester Prize (2025); 2025 MSOM Student Paper Competition (2024-2025); RMP Section Practice Prize (2025); PSOR Best Paper Award (2025); INFORMS BOM Best Working Paper (2025).
- Award Committee, SIGecom Doctoral Dissertation Award (2022–2023).
- Referee for Award, Elwood S. Buffa Doctoral Dissertation Award (2019), POMS College of Supply Chain Management Best Student Paper Competition (2024).
- Reviewer for Journals, *Management Science*, *Operations Research*, *Mathematics of Operations Research*, *INFORMS Journal on Optimization*, *Manufacturing & Service Operations Management*, *Algorithmica*, *Stochastic Systems*, *Transportation Science*, *Journal of Optimization Theory and Applications*, *IEEE Transaction of Networking*, *IEEE Transactions on Network Science and Engineering*, *IEEE Transactions on Communications*, *Information Processing Letters (IPL)*.
- Reviewer for Conferences, MSOM Service Management SIG Conference, MSOM Supply Chain Management SIG Conference, IEEE Symposium on Foundations of Computer Science (FOCS), ACM Symposium on Theory of Computing (STOC), ACM Conference on Economics and Computation (EC), ACM Symposium on Parallelism in Algorithms and Architectures (SPAA), ACM International Conference on Measurement and Modeling of Computer Systems (SIGMETRICS), IEEE Conference on Computer Communications (INFOCOM).

Invited Talks, Conference Presentations & Panels

1. May 2025, Panelist, Computational Market Design, Stanford University
2. March 2023, Panelist, MD4SG/EAAMO Junior Faculty Working Group, Virtual
3. November 2022, Panel moderator, Societal Considerations & Applications Workshop, Data-Driven Decision Processes Program, Simons Institute, UC Berkeley
4. June 2022, Discussant for INFORMS Revenue Management & Pricing Conference, Chicago Booth

"Why the Rooney Rule Fumbles: Limitations of Interview-stage Diversity Interventions in Labor Markets"

5. April 2026, Technology & Operations Seminar Series, Michigan Ross
6. April 2026, W. Klein Seminar Series, Business Analytics Department, Boston College
7. April 2026, Virginia Tech INFORMS Student Chapter
8. November 2025, OM Seminar Series, The University of Texas at Dallas
9. August 2025, Workshop on Online Platforms and Matching Markets, Chicago Booth

"Robust Dynamic Staffing with Predictions"

10. July 2025, ACM Conference on Economics and Computation (EC), Stanford, CA

"Dynamic Matching with Post-allocation Service and its Application to Refugee Resettlement"

11. October 2025, INFORMS Annual Meeting, Atlanta, GA
12. October 2025, CS Theory Seminar, UMass Amherst
13. September 2025, Operations Management & Statistics Seminar Series, Rotman School of Management
14. May 2025, ORIE Colloquium, Cornell University

15. December 2024, ISyE Seminar Series, University of Minnesota
16. November 2024, Information Systems & Operations Management (ISOM) Seminar, HEC Paris
17. November 2024, Technology & Operations Management (TOM) Seminar, INSEAD
18. October 2024, NBER Market Design Working Group Meeting, Stanford University
19. September 2024, Keynote Speaker, Online Stochastic Matching Workshop, International Center of Mathematics and Computer Science (CIMI), Toulouse, France

"Markovian Search with Socially Aware Constraints"

20. April 2025, Dana Clyman Seminar Series, Darden School of Business
21. April 2025, Operations Management Seminar Series, the Desautels Faculty of Management, McGill University
22. July 2024, INFORMS Revenue Management & Pricing Conference, UCLA Anderson
23. February 2024, Stanford MS&E

"Redesigning Recommendation on VolunteerMatch: Theory and Practice"

24. September 2025, Research in Motion Workshop, Center for Algorithms, Data, & Market Design, Yale University
25. August 2024, Workshop on Data-Driven Decision Processes: From Theory to Practice, Toyota Technological Institute, Chicago
26. October 2023, INFORMS Annual Meeting, Phoenix, AZ
27. July 2023, ACM EC'23 Workshop on Market Design, King's College London
28. March 2023, DOTM Seminar, UCLA Anderson
29. March 2023, Algorithms, Combinatorics & Optimization Seminar, UC Irvine
30. March 2023, OM Seminar, Smith School of Business, Queen's University
31. February 2023, Microsoft Research New England
32. November 2022, Societal Considerations & Applications Workshop, Simons Institute, UC Berkeley
33. April 2022, NYC Operations Day, Cornell Tech

"Fair Dynamic Rationing"

34. September 2023, OM Seminar, Jones Graduate School of Business, Rice University
35. October 2022, Management Science & Operations Seminar, London Business School
36. October 2022, Analytics & Operations Seminar, Imperial College London
37. October 2022, Operations & Management Science Workshop, Tuck School of Business
38. June 2022, OTIM Symposium, Johnson School, Cornell University
39. March 2022, ORC Seminar, MIT
40. February 2022, SCIS Seminar, Smeal College of Business
41. February 2022, Technical University of Munich
42. December 2021, OM Seminar, NYU Stern
43. May 2021, **Marketplace Innovation Workshop (plenary talk)**
44. May 2021, ORIE Colloquium, Cornell University
45. April 2021, Decision Sciences Seminar, Department of Economics and Finance, LUISS

46. April 2021, OM Seminar, USC Marshall School of Business
47. March 2021, ISE Seminar, University of Illinois at Urbana-Champaign
48. March 2021, Online & Matching-Based Market Design, Simons Institute, UC Berkeley

"Information Design for Congested Social Services: Optimal Need-Based Persuasion"

49. November 2021, Economic Theory Seminar, University of Notre Dame
50. June 2021, **MSOM Service SIG**, Kelley School of Business

"Online Policies for Efficient Volunteer Crowdsourcing"

51. March 2022, OM Seminar, The Wharton School
52. December 2021, Operations Seminar, Kellogg School of Management
53. November 2021, OIT Seminar, Stanford Graduate School of Business
54. August 2021, Data Science Lab, MIT
55. February 2021, OM Seminar, MIT Sloan School of Management
56. February 2021, OM Seminar, University of Chicago Booth School of Business
57. December 2020, Decision Sciences Seminar, Fuqua School of Business
58. November 2020, IROM Seminar, McCombs School of Business
59. June 2020, Junior Operations Faculty (water cooler) Zoom Meeting
60. March 2020, Operations Seminar, Yale School of Management

"Crowdsourcing Food Recovery: A Platform Design Study"

61. April 2021, Faculty Seminar, Yale School of Management
62. January 2020, Workshop on Networks, Matching, and Platforms, Orlando, FL
63. October 2019, INFORMS Annual Meeting, Seattle, WA

"Information Inundation on Platforms and Implications"

64. June 2019, RAIN Seminar, MS&E, Stanford University
65. June 2019, ACM Conference on Economics and Computation (EC), Phoenix, AZ
66. June 2019, Workshop on Marketplace Innovation, Stanford University, CA

"Product Ranking on Online Platforms"

67. June 2019, Workshop on Marketplace Innovation, Stanford University, CA
68. July 2018, **MSOM Service SIG**, Naveen Jindal School of Management, TX
69. June 2018, INFORMS Revenue Management & Pricing Conference, Toronto, Canada
70. September 2018, Technology & Operations Seminar, Michigan Ross School of Business
71. April 2018, Algorithms Research Seminar, Google Research New York
72. March 2018, IEOR-DRO Seminar, Columbia Business School

"Online Resource Allocation under Partially Predictable Demand"

73. July 2019, Workshop on Simplicity and Robustness in Complex Markets, Center for Game Theory, Stony Brook University **(semi-plenary talk)**
74. January 2019, Workshop on Models and Algorithms for Sequential Decision Problems under Uncertainty, Banff International Research Station

75. October 2017, INFORMS Annual Meeting, Houston, TX
76. June 2017, MSOM Conference, Kenan-Flagler Business School, NC
77. May 2017, POMS Annual Conference, Seattle, WA
78. March 2017, Department of Civil & Environmental Engineering, MIT
79. June 2016, INFORMS Revenue Management & Pricing Conference, NYU Stern, NY

"On Matching and Thickness in Heterogeneous Dynamic Markets"

80. September 2019, Matching & Objectives Workshop, Simons Institute, UC Berkeley **(semi-plenary talk)**
81. November 2018, Faculty Seminar, Yale School of Management
82. November 2018, INFORMS Annual Meeting, Phoenix, AZ

"Impact of Network Structure on New Service Pricing"

83. November 2018, INFORMS Annual Meeting, Phoenix, AZ
84. June 2017, Workshop on Marketplace Innovation, Stanford University, CA

"Diffusion in Random Networks"

85. July 2015, ISMP Conference, Pittsburgh, PA
86. June 2015, MSOM Conference, Rotman School of Management, Toronto, Canada
87. July 2014, IFORS Conference, Barcelona, Spain
88. July 2009, INFORMS Applied Probability Society Conference, Cornell University, NY

"Data-Driven Models and Efficient Policies for Dynamic Kidney Exchange"

89. November 2017, School of Public Health, Yale University
90. October 2014, Yale Institute for Network Science
91. February 2014, School of Engineering & Applied Sciences, Harvard University
92. February 2014, Department of Industrial & Systems Engineering, University of Minnesota
93. February 2014, Yale School of Management
94. February 2014, Industrial & Operations Engineering, University of Michigan
95. January 2014, Rotman School of Management, University of Toronto
96. December 2013, School of Operations Research & Information Engineering, Cornell University
97. December 2013, Department of Mechanical & Industrial Engineering, UMass Amherst
98. November 2013, Operations Research Center, MIT

"Kidney Exchange in Dynamic Sparse Heterogeneous Pools"

99. October 2013, INFORMS Annual Meeting, Minneapolis, MN
100. July 2013, MSOM Conference, INSEAD, Fontainebleau, France
101. June 2013, ACM Conference on Economics and Computation (EC), UPenn, PA
102. October 2012, INFORMS Annual Meeting, Phoenix, AZ
103. June 2012, MSOM Conference, Columbia University, NY

"Dynamics of Prisoner's Dilemma and the Evolution of Cooperation on Networks"

104. January 2012, Innovations in Theoretical Computer Science (ITCS) Conference, Cambridge, MA
105. November 2011, INFORMS Annual Meeting, Charlotte, NC
106. June 2011, Workshop on the Economics of Networks, Systems, and Computation (NetEcon), San Jose, CA
107. March 2011, Optimization & Network Game Theory Group, MIT

"Online Stochastic Matching: Online Actions Based on Offline Statistics"

108. October 2011, Laboratory for Information & Decision Systems, MIT
109. March 2011, Department of Computer & Information Science, University of Pennsylvania
110. January 2011, ACM-SIAM Symposium on Discrete Algorithms (SODA), San Francisco, CA
111. June 2010, Computer Science Department, Stanford University
112. November 2010, INFORMS Annual Meeting, Austin, TX

"Supermodular Network Games"

113. September 2009, Annual Allerton Conference on Communication, Control, and Computing, Monticello, IL

INDUSTRY EXPERIENCE

Akamai Technologies, Cambridge, MA (summer intern, 2007)
Ikanos Communications, Fremont, CA (summer intern, 2005)

PROGRAMMING SKILLS

Python, C#, R, and Matlab