Vahideh Manshadi

CONTACT INFORMATION	Yale School of Management Evans Hall, Rm 3540	(650) 714-9120 vahideh.manshadi@yale.edu

EMPLOYMENT	**Yale School of Management**, New Haven, CT	
	Professor of Operations	7/2023 -
	Research Director for OR, Center for Algorithm, Data & Market Design	7/2023 -
	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"	
	Microsoft Research New England, Cambridge, MA	Summer 2020
	Postponed due to COVID-19	

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

RESEARCH
INTERESTS

Platform & Policy Design for Social Good; Operation of Online & Matching Platforms; Social Platforms & Networks; Market Design; Revenue Management & Market Analytics; Algorithmic Fairness; Real-Time Decision-Making; Resource Allocation; Analysis of Complex Stochastic Systems

SELECTED
HONORS &
AWARDS

Dean's Office Research Grant (50k), 2024

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

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

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

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

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

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*, 2021 - entrant: A. Wei

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

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

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*, 2020 - entrant: S. Rodilitz

Meritorious Service Award, *Management Science*, 2019

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

Meritorious Service Award, *Management Science*, 2018

JOURNAL
ARTICLES

J1. Irene Lo, Vahideh Manshadi, Scott Rodilitz, and Ali Shameli. "Commitment on Volunteer

Crowdsourcing Platforms: Implications for Growth and Engagement." *Manufacturing & Service Operations Management*, Forthcoming, 2024.

J2. Vahideh Manshadi, Rad Niazadeh, and Scott Rodilitz. "Fair Dynamic Rationing." *Management Science*, Articles In Advance, 2023.

    (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*.

J3. 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.

J4. 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.

J5. 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) **Finalist, INFORMS Data Mining Best Paper Competition, 2022.**

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

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

J6. 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*.

J7. 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**).

J8. 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.

J9. 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*.

J10. Dawsen Hwang, Patrick Jaillet, and Vahideh Manshadi. "Online Resource Allocation under Partially Predictable Demand." *Operations Research*, vol. 69, no. 3, 2021, pp. 895-915.

J11. 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.

J12. 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*.

J13. 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.

J14. 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.

J15. 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.

J16. 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) Lead article.

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

J17. 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. Vahideh Manshadi, Scott Rodilitz, Daniela Saban, and Akshaya Suresh. "Online Algorithms for Matching Platforms with Multi-Channel Traffic." Minor revision at *Management Science*, 2023.

    (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*.

W2. Mohammad Reza Aminian, Vahideh Manshadi, and Rad Niazadeh. "Markovian Search with Socially Aware Constraints." Under review, 2023.

(a) Subsumes "Fair Markovian Search."

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

W3. Vahideh Manshadi, Scott Rodilitz, Daniela Saban, and Akshaya Suresh. "Redesigning VolunteerMatch's Ranking Algorithm: Toward More Equitable Access to Volunteers." Under review, 2023.

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

W4. Kirk Bansak, Soonbong Lee, Vahideh Manshadi, Rad Niazadeh, and Elisabeth Paulson. "Dynamic Matching with Post-allocation Service and its Application to Refugee Resettlement." Working paper, 2024.

W5. Yiding Feng, Vahideh Manshadi, and Rad Niazadeh. "Robust Dynamic Staffing with Predictions." Working paper, 2024.

W6. Yiding Feng, Vahideh Manshadi, and Rad Niazadeh. "Simultaneous Guarantees for Adversarial and Stochastic Online Resource Allocation." Working paper, 2023.

W7. Vahideh Manshadi and Faidra Monachou. "Diversity in Labor Markets: Unintended Consequences of the Rooney Rule." Work in progress, 2023.

PEER-
REVIEWED
CONFERENCE
PAPERS

C1. 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.

C2. Vahideh Manshadi, Rad Niazadeh, and Scott Rodilitz. "Fair Dynamic Rationing." *Proceedings of the 22nd ACM Conference on Economics and Computation (EC)*, 2021.

C3. 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.

C4. 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.

C5. Vahideh Manshadi and Scott Rodilitz. "Online Policies for Efficient Volunteer Crowdsourcing." *Proceedings of the 21st ACM Conference on Economics and Computation (EC)*, 2020.

C6. 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.

C7. 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.

C8. 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.

C9. 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.

C10. 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.

C11. 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.

C12. 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.

C13. 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.

C14. 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.

C15. 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.

C16. Vahideh Manshadi and Ramesh Johari. "Supermodular Network Games." *The 47th Annual Allerton Conference on Communication, Control, and Computing (Allerton)*, 2009.

C17. 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.

C18. 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.

<table>
<tr><td>TEACHING
EXPERIENCE</td><td>

Yale School of Management

- MGT 819: Big Data (MBA elective) - co-developed with D. Lee (taught in Spring 2015; Fall 2015; Fall 2016; Fall 2017; Fall 2018; Fall 2019; Fall 2020; Spring 2021).
- 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; Fall 2017; Fall 2018; Fall 2019; Fall 2020; Fall 2021).

</td></tr>
<tr><td>MEDIA
RECOGNITION</td><td>

"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*).

</td></tr>
</table>

"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. candidate in Operations (primary advisor: Ed Kaplan).
- Ph.D. Advisor: Soonbong Lee, Yale, third-year Ph.D. student in Operations.

Postdoc Advising:

- Ningyuan Chen (jointly with Saed Alizamir and Sang Kim).
- Scott Rodilitz (jointly with Daniela Saban).
- Yiding Feng (jointly with Rad Niazadeh)

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: Hannah Wang, Yale, Ph.D. student in School of the Environment.
- Ph.D. Thesis Committee: Yen-Shao Chen, Yale, Ph.D. candidate in Operations.

Officer: Vice President for INFORMS Auctions and Market Design (AMD) Section (2024–2026).

Program Co-Chair: ACM Conference on Equity & Access in Algorithms, Mechanisms, & Optimization (2023).

Officer: Treasurer for INFORMS Auctions and Market Design (AMD) Section (2023–2024).

Local Co-Chair: ACM Conference on Economics and Computation (2024).

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 Auctions and Market Design (AMD) Online Seminar Series - co-organized with Ozan Candogan and Fanyin Zheng (2020–2022).

Associate Editor: *Operations Research* - Area: Societal Impact (2024–present).

Associate Editor: *Operations Research* - Area: Markets, Platforms, & Revenue Management (2024–present).

Associate Editor: *Management Science* - Department: Revenue Management & Market Analytics (2020–present).

Associate Editor: *Operations Research* - Area: Revenue Management & Market Analytics (2020–2023).

Associate Editor: *Manufacturing & Service Operations Management* - Department: Services, Platforms, & Revenue Management (2021–2024).

Guest Associate Editor: *Operations Research* - Area: Revenue Management & Market Analytics (2019–2020).

Track Chair: ACM Conference on Economics and Computation - Applied Modeling Track (2021).

Area Chair: ACM Conference on Equity & Access in Algorithms, Mechanisms, & Optimization (EAAMO) - Applied Modeling (2021), ACM Conference on Economics and Computation (2023).

Competition Chair: INFORMS RMP Section Jeff McGill Student Paper Award (2023).

Senior Program Committee: ACM Conference on Economics and Computation (2019, 2020), The Conference on Web and Internet Economics (2021).

Judge for MSOM SIG: MSOM Supply Chain Management SIG (2016); MSOM Service Operations SIG (2020–2021).

Program Committee: ACM Conference on Economics and Computation (2018); the Web Conference (2020); the 4th Workshop on Mechanism Design for Social Good (2020).

Competition Committee: George Nicholson Student Paper Competition (2021–2022); RMP Section Jeff McGill Student Paper Award (2022).

Award Committee: SIGecom Doctoral Dissertation Award (2022–2023).

Referee for Award: Elwood S. Buffa Doctoral Dissertation Award (2019).

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 Session Chair: POMS Annual Conference (2019), INFORMS International Meeting (2016), INFORMS Annual Meeting (multiple sessions every year in various clusters, including Applied Probability, MOSM, Revenue Management and Pricing, and MSOM Service SIG).

Organizer: The 4th Workshop on Networks, Matching, and Platforms, January 2020.

Student Organizer: The 6th Workshop on Internet and Network Economics (WINE), December 2010.

INVITED TALKS &
CONFERENCE
PRESENTATIONS

1. September 2024, Keynote Speaker, Online Stochastic Matching Workshop, International Center of Mathematics and Computer Science (CIMI), Toulouse, France (scheduled)

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

5. April 2020, EconCS Seminar, Harvard University (postponed due to COVID-19)

"Redesigning Recommendation on VolunteerMatch: Theory and Practice"

6. October 2023, INFORMS Annual Meeting, Phoenix, AZ

7. July 2023, ACM EC'23 Workshop on Market Design, King's College London

8. March 2023, DOTM Seminar, UCLA Anderson

9. March 2023, Algorithms, Combinatorics & Optimization Seminar, UC Irvine

10. March 2023, OM Seminar, Smith School of Business, Queen's University

11. February 2023, Microsoft Research New England

12. November 2022, Societal Considerations & Applications Workshop, Simons Institute, UC Berkeley

13. April 2022, NYC Operations Day, Cornell Tech

"Fair Dynamic Rationing"

14. September 2023, OM Seminar, Jones Graduate School of Business, Rice University
15. October 2022, Management Science & Operations Seminar, London Business School
16. October 2022, Analytics & Operations Seminar, Imperial College London
17. October 2022, Operations & Management Science Workshop, Tuck School of Business
18. June 2022, OTIM Symposium, Johnson School, Cornell University
19. March 2022, ORC Seminar, MIT
20. February 2022, SCIS Seminar, Smeal College of Business
21. February 2022, Technical University of Munich
22. December 2021, OM Seminar, NYU Stern
23. May 2021, **Marketplace Innovation Workshop (plenary talk)**
24. May 2021, ORIE Colloquium, Cornell University
25. April 2021, Decision Sciences Seminar, Department of Economics and Finance, LUISS
26. April 2021, OM Seminar, USC Marshall School of Business
27. March 2021, ISE Seminar, University of Illinois at Urbana-Champaign
28. March 2021, Online & Matching-Based Market Design, Simons Institute, UC Berkeley

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

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

"Online Policies for Efficient Volunteer Crowdsourcing"

31. March 2022, OM Seminar, The Wharton School
32. December 2021, Operations Seminar, Kellogg School of Management
33. November 2021, OIT Seminar, Stanford Graduate School of Business
34. August 2021, Data Science Lab, MIT
35. February 2021, OM Seminar, MIT Sloan School of Management
36. February 2021, OM Seminar, University of Chicago Booth School of Business
37. December 2020, Decision Sciences Seminar, Fuqua School of Business
38. November 2020, IROM Seminar, McCombs School of Business
39. June 2020, Junior Operations Faculty (water cooler) Zoom Meeting
40. March 2020, Operations Seminar, Yale School of Management

"Crowdsourcing Food Recovery: A Platform Design Study"

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

"Information Inundation on Platforms and Implications"

44. June 2019, RAIN Seminar, MS&E, Stanford University

45. June 2019, ACM Conference on Economics and Computation (EC), Phoenix, AZ

46. June 2019, Workshop on Marketplace Innovation, Stanford University, CA

"Product Ranking on Online Platforms"

47. June 2019, Workshop on Marketplace Innovation, Stanford University, CA

48. July 2018, **MSOM Service SIG**, Naveen Jindal School of Management, TX

49. June 2018, INFORMS Revenue Management & Pricing Conference, Toronto, Canada

50. September 2018, Technology & Operations Seminar, Michigan Ross School of Business

51. April 2018, Algorithms Research Seminar, Google Research New York

52. March 2018, IEOR-DRO Seminar, Columbia Business School

"Online Resource Allocation under Partially Predictable Demand"

53. July 2019, Workshop on Simplicity and Robustness in Complex Markets, Center for Game Theory, Stony Brook University **(semi-plenary talk)**

54. January 2019, Workshop on Models and Algorithms for Sequential Decision Problems under Uncertainty, Banff International Research Station

55. October 2017, INFORMS Annual Meeting, Houston, TX

56. June 2017, MSOM Conference, Kenan-Flagler Business School, NC

57. May 2017, POMS Annual Conference, Seattle, WA

58. March 2017, Department of Civil & Environmental Engineering, MIT

59. June 2016, INFORMS Revenue Management & Pricing Conference, NYU Stern, NY

"On Matching and Thickness in Heterogeneous Dynamic Markets"

60. September 2019, Matching & Objectives Workshop, Simons Institute, UC Berkeley **(semi-plenary talk)**

61. November 2018, Faculty Seminar, Yale School of Management

62. November 2018, INFORMS Annual Meeting, Phoenix, AZ

"Impact of Network Structure on New Service Pricing"

63. November 2018, INFORMS Annual Meeting, Phoenix, AZ

64. June 2017, Workshop on Marketplace Innovation, Stanford University, CA

"Diffusion in Random Networks"

65. July 2015, ISMP Conference, Pittsburgh, PA

66. June 2015, MSOM Conference, Rotman School of Management, Toronto, Canada

67. July 2014, IFORS Conference, Barcelona, Spain

68. July 2009, INFORMS Applied Probability Society Conference, Cornell University, NY

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

69. November 2017, School of Public Health, Yale University

70. October 2014, Yale Institute for Network Science

71. February 2014, School of Engineering & Applied Sciences, Harvard University

72. February 2014, Department of Industrial & Systems Engineering, University of Minnesota

73. February 2014, Yale School of Management

74. February 2014, Industrial & Operations Engineering, University of Michigan

75. January 2014, Rotman School of Management, University of Toronto

76. December 2013, School of Operations Research & Information Engineering, Cornell University

77. December 2013, Department of Mechanical & Industrial Engineering, UMass Amherst

78. November 2013, Operations Research Center, MIT

"Kidney Exchange in Dynamic Sparse Heterogeneous Pools"

79. October 2013, INFORMS Annual Meeting, Minneapolis, MN

80. July 2013, MSOM Conference, INSEAD, Fontainebleau, France

81. June 2013, ACM Conference on Economics and Computation (EC), UPenn, PA

82. October 2012, INFORMS Annual Meeting, Phoenix, AZ

83. June 2012, MSOM Conference, Columbia University, NY

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

84. January 2012, Innovations in Theoretical Computer Science (ITCS) Conference, Cambridge, MA

85. November 2011, INFORMS Annual Meeting, Charlotte, NC

86. June 2011, Workshop on the Economics of Networks, Systems, and Computation (NetEcon), San Jose, CA

87. March 2011, Optimization & Network Game Theory Group, MIT

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

88. October 2011, Laboratory for Information & Decision Systems, MIT

89. March 2011, Department of Computer & Information Science, University of Pennsylvania

90. January 2011, ACM-SIAM Symposium on Discrete Algorithms (SODA), San Francisco, CA

91. June 2010, Computer Science Department, Stanford University

92. November 2010, INFORMS Annual Meeting, Austin, TX

"Supermodular Network Games"

93. 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