

# SCOTT RODILITZ

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Updated June 2025

## POSITIONS

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<b>Asst. Professor</b> , UCLA Anderson School of Management Decisions, Operations, and Technology Management Area	2022-present
<b>Postdoctoral Fellow</b> , Stanford Graduate School of Business Host: Daniela Saban	2021-2022

## EDUCATION

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<b>PhD</b> Yale University School of Management, Operations Dissertation: <i>Sharing the Sharing Economy: Policy Design for Social Good</i> Advisor: Vahideh Manshadi	2016-2021
<b>BA</b> Williams College, Mathematics and Economics	2009-2013

## RESEARCH INTERESTS

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Platform Design • Nonprofit Operations • Public Policy • Analysis of Complex Stochastic Systems • Crowdsourcing • Data-driven Optimization

## RESEARCH

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### Peer-Reviewed Journal Articles Published

1. "Diffusion in Random Networks: Impact of Degree Distribution," with Vahideh Manshadi and Sidhant Misra. *Operations Research*, 68.6 (2020): 1722-1741.
2. "Snapshot Models of Undocumented Immigration," with Ed Kaplan. *Risk Analysis*, 41.9 (2021): 1643-1661.
  - Honorable Mention, INFORMS Public Sector OR Best Paper Award 2019
3. "Online Policies for Efficient Volunteer Crowdsourcing," with Vahideh Manshadi. *Management Science*, 68.9 (2022): 6572-6590.
  - Second Place, MSOM Best Student Paper Competition 2021
  - Third place, Michael H. Rothkopf Junior Researcher Paper Prize 2020
  - Finalist, INFORMS Public Sector OR Best Paper Award 2020
  - Finalist, INFORMS Service Section IBM Best Student Paper Competition 2021
4. "Fair Dynamic Rationing," with Vahideh Manshadi and Rad Niazadeh. *Management Science*, 69.11(2023): 6818-6836.
  - Winner, Michael H. Rothkopf Junior Researcher Paper Prize 2021 (Entrant: Rad Niazadeh)
5. "Commitment on Volunteer Crowdsourcing Platforms: Implications for Growth and Engagement," with Irene Lo, Vahideh Manshadi, and Ali Shameli. *Manufacturing & Service Operations Management*, 26.5 (2024): 1787-1805.

### Peer-Reviewed Journal Articles Accepted

6. "Online Algorithms for Matching Platforms with Multi-Channel Traffic," with Vahideh Manshadi, Daniela Saban, and Akshaya Suresh. Forthcoming in *Management Science*.

### Peer-Reviewed Journal Articles Submitted

7. "Redesigning VolunteerMatch's Search Algorithm: Toward More Equitable Access to Volunteers," with Vahideh Manshadi, Daniela Saban, and Akshaya Suresh. Major Revision, *Management Science*.
  - Winner, INFORMS Public Sector OR Best Video Award, 2023
  - Finalist, Doing Good with Good OR Student Paper Competition, 2023 (Entrant: Akshaya Suresh)
  - Finalist, Revenue Management & Pricing Practice Award, 2024
  - Finalist, INFORMS Public Sector OR Best Paper Award, 2024
  - Finalist, Service Science Best Student Paper Competition, 2024 (Entrant: Akshaya Suresh)
8. "Optimal Design of Default Donations," with Francisco Castro. Major Revision, *Operations Research*.
9. "Divert or Donate? Early Experiences with California's Attempt to Reduce Organic Waste and Food Insecurity," with Yulia Lamoureaux, Charles Corbett, and Ned Spang. Major Revision, *Resources, Environment and Sustainability*.

### Works in Progress

10. "Misspecified Bandit Algorithms for Maximizing Fundraising Revenue," with Francisco Castro and Muzhi Ma.

### Peer-Reviewed Conference Proceedings

1. "Optimal Design of Default Donations," with Francisco Castro. *Proceedings of the 25<sup>th</sup> ACM Conference on Economics and Computation (EC '24)*.
2. "Repeated Matching under Match Uncertainty and Endogenous Growth: Role of Commitment," with Irene Lo, Vahideh Manshadi, and Ali Shameli. (Conference version of "Commitment on Volunteer Crowdsourcing Platforms: Implications for Growth and Engagement.") *Proceedings of the 25<sup>th</sup> ACM Conference on Economics and Computation (EC '24)*.
3. "Online Algorithms for Matching Platforms with Multi-Channel Traffic," with Vahideh Manshadi, Daniela Saban, and Akshaya Suresh. *Proceedings of the 23<sup>rd</sup> ACM Conference on Economics and Computation (EC '22)*.
4. "Fair Dynamic Rationing" With Vahideh Manshadi and Rad Niazadeh. Accepted to the 22<sup>nd</sup> ACM Conference on Economics and Computation (EC '21).
5. "Online Policies for Efficient Volunteer Crowdsourcing," with Vahideh Manshadi. *Proceedings of the 21<sup>st</sup> ACM Conference on Economics and Computation (EC '20)*.
6. "Diffusion in Random Networks: Impact of Degree Distribution," with Vahideh Manshadi and Sidhant Misra. *Proceedings of the 13<sup>th</sup> Workshop on the Economics of Networks, Systems and Computation (NetEcon '18)*.

## AWARDS AND HONORS

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Dean George W. Robbins Assistant Professor Teaching Award	2024
Finalist, INFORS Public Sector OR Best Paper Award	2024
Finalist, INFORMS Service Science Section Best Student Paper	2024
• Entrant: Akshaya Suresh	
Finalist, Revenue Management & Pricing Practice Award	2024
Winner, INFORMS Public Sector OR Best Video Award	2023
Finalist, Doing Good with Good OR Student Paper Competition	2023
• Entrant: Akshaya Suresh	
Honorable Mention, George B. Dantzig Dissertation Award	2021
Second Place, MSOM Best Student Paper Competition	2021
Honorable Mention, INFORMS Service Science Section Best Student Paper	2021
First Place, Rothkopf Junior Researcher Paper Prize (INFORMS AMD Section)	2021
• Entrant: Rad Niazadeh	
Third Place, Rothkopf Junior Researcher Paper Prize (INFORMS AMD Section)	2020
Honorable Mention, INFORMS Public Sector OR Best Paper Award	2019, 2020
Visitor, Simons Institute for the Theory of Computing at UC Berkeley	2019
Recipient, Harry and Heesun You Fellowship	2019
• Awarded to one student across all Yale SOM Ph.D. programs	
Inductee, Phi Beta Kappa Society	2012
Member, Williams College Dean's List	2009-2013

## INVITED TALKS AND SELECTED PRESENTATIONS

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### *Optimal Design of Default Donations*

MSOM Service SIG 2025, Workshop on Information and Learning, MIT Sloan, INFORMS Annual Meeting 2023, SoCal OR/OM Day 2024, MSOM Conference 2024, ACM EC 2024

### *Redesigning VolunteerMatch's Search Algorithm: Toward More Equitable Access to Volunteers*

BIRS Workshop on Dynamic Allocation and Matching, INFORMS Annual Meeting 2024, MSOM Sustainability SIG 2024, INFORMS RMP Conference 2023, USC Marshall

### *Repeated Matching under Match Uncertainty and Endogenous Growth: Role of Commitment*

ACM EC 2024

### *Online Algorithms for Matching Platforms with Multi-Channel Traffic*

ACM EAAMO 2022, ACM EC 2022, MSOM Conference 2022, INFORMS RMP Conference 2022, Marketplace Innovation Workshop 2022, University of Toronto

### *Fair Dynamic Rationing*

MSOM Service SIG 2022, INFORMS RMP Conference 2021, FORC 2021, ACM EAAMO 2021

### *Online Policies for Efficient Volunteer Crowdsourcing*

Lyft, Inc., Columbia University, UC San Diego, UCLA, Boston University, University of Utah, Boston College, University College London, UC Berkeley, Dartmouth University, MD4SG 2020, ACM EC 2020, FORC 2021

*Crowdsourcing Food Recovery: A Platform Design Study*

Kellogg-Wharton OM Workshop 2020, INFORMS Annual Meeting 2019

*Snapshot Models of Undocumented Immigration*

Operations Research Society of Israel 2019

*Diffusion in Random Networks: Impact of Degree Distribution*

INFORMS RMP Conference 2019, INFORMS Annual Meeting 2018, NetEcon 2018

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## SERVICE

### Prize Committee

<i>Co-chair</i> , INFORMS PSOR Section Best Video Competition	2024
<i>Member</i> , Nicholson Student Paper Competition	2024
<i>Member</i> , MSOM Best Student Paper Competition	2022-2024
<i>Member</i> , Public Sector OR Best Paper Competition	2024

### Program Committee

<i>Co-chair</i> , ACM EC Poster Session	2024
<i>Member</i> , MSOM Conference	2024-2025
<i>Member</i> , ACM EC	2023-2025
<i>Member</i> , ACM EAAMO	2021-2024
<i>Member</i> , Conference on Web and Internet Economics (WINE)	2022
<i>Member</i> , Workshop on Operations of People-Centric Systems	2021

### Reviewer

*Management Science, Operations Research, Manufacturing & Service Operations Management, Production and Operations Management, Mathematics of Operations Research, Artificial Intelligence, Transactions for Economics and Computation*

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## TEACHING EXPERIENCE

### UCLA Anderson School of Management

Data and Decisions, FT MBA	2022-2025
Entertainment & Sports Analytics Capstone, FT MBA	2025

### Yale University

Teaching Assistant, Big Data	2020
Teaching Assistant, Sports Analytics	2017-2018

### Georgia Institute of Technology

Guest Lecture, Online Learning and Decision Making	2020
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### Kingswood Oxford School

Math Teacher, various courses including AP Statistics and Calculus	2013-2016
Coach, cross country and track and field	2014-2016

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## OTHER SKILLS AND INTERESTS

**Linguistic:** English • Spanish (intermediate)

**Athletic:** Running (XC and T&F captain at Williams College) • Soccer • Climbing