Ellen Vitercik

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Employment

2022-	Assistant Professor *Management Science and Engineering* *Computer Science*	Stanford University
2021-2022	Miller Fellow *Hosts: Jennifer Chayes and Michael Jordan*	University of California, Berkeley

Education

2021	PHD in Computer Science *Advisors: Maria-Florina Balcan and Tuomas Sandholm* *Thesis committee: Eric Horvitz, Kevin Leyton-Brown, and Ameet Talwalkar*	Carnegie Mellon University
2018	MS in Computer Science	Carnegie Mellon University
2015	BA in Mathematics, *summa cum laude*	Columbia University

Honors and awards

2024	AI2050 Early Career Fellowship *Schmidt Sciences*
2024	National Science Foundation CAREER Award
2023	Exemplary Artificial Intelligence Track Paper Award *Awarded to one paper at the ACM Conference on Economics and Computation (EC)*
2022-2025	Gabilan Fellowship *Stanford University*
2022	Robert N. Noyce Faculty Fellow *Stanford University*
2022	Simons-Berkeley Research Fellowship (declined)
2021-2022	Miller Fellowship *University of California, Berkeley*
2021	ACM SIGecom Dissertation Award *ACM Special Interest Group on Economics and Computation*
2021	Distinguished Dissertation Award *Carnegie Mellon University, School of Computer Science*

2021	Victor Lesser Distinguished Dissertation—Honorable Mention
	International Foundation for Autonomous Agents and Multiagent Systems

2019	Best Presentation by a Student or Postdoctoral Researcher
	ACM Conference on Economics and Computation (EC)

2019	Early Career Invited Lecture Award
	UBC Science

2019-2021	IBM PhD Fellowship

2019-2020	Fellowship in Digital Health
	Carnegie Mellon University's Center for Machine Learning and Health

2019	Exemplary Artificial Intelligence Track Paper Award
	Awarded to one paper at the ACM Conference on Economics and Computation (EC)

2017	Teaching Assistant of the Year Award
	Carnegie Mellon University's Machine Learning Department

2016-2019	National Science Foundation Graduate Research Fellowship

2016-2017	Microsoft Research Women's Fellowship

2015-2021	National Physical Science Consortium Fellowship (declined)

2015-2017	Kellett Fellowship (declined)
	Full scholarship for postgraduate study at Oxford

2014	Phi Beta Kappa Junior Inductee
	Awarded to the top 2% of the graduating Columbia College class

2012	Columbia University Class of 1956 Scholarship

Publications

Journal papers

2024	Maria-Florina Balcan, Dan DeBlasio, Travis Dick, Carl Kingsford, Tuomas Sandholm, and Ellen Vitercik.
	How Much Data is Sufficient to Learn High-Performing Algorithms?
	Journal of the ACM (JACM).
	Featured paper from JACM 2024.
	Supersedes the STOC'21 paper below.

2024	Maria-Florina Balcan, Travis Dick, Tuomas Sandholm, and Ellen Vitercik.
	Learning to Branch: Generalization Guarantees and Limits of Data-Independent Discretization.
	Journal of the ACM (JACM).
	Supersedes the ICML'20 and ICML'18 papers below.

2024   Maria-Florina Balcan, Tuomas Sandholm, and Ellen Vitercik.
Generalization Guarantees for Multi-Item Profit Maximization: Pricing, Auctions, and Randomized Mechanisms.
Operations Research (OR).
Supersedes the EC'18 paper below.

Conference papers

2025   Judy Hanwen Shen, Ellen Vitercik, and Anders Wikum.
Algorithms with Calibrated Machine Learning Predictions.
International Conference on Machine Learning (ICML).
Spotlight (2.6% of all submissions).

2025   Yu He and Ellen Vitercik.
Primal-Dual Neural Algorithmic Reasoning
International Conference on Machine Learning (ICML).
Spotlight (2.6% of all submissions).

2025   Jingruo Sun, Wenzhi Gao, Ellen Vitercik, and Yinyu Ye.
Wait-Less Offline Tuning and Re-solving for Online Decision Making.
International Conference on Machine Learning (ICML).

2025   Haotian Zhai, Connor Lawless, Ellen Vitercik, and Liu Leqi.
EquivaMap: Leveraging LLMs for Automatic Equivalence Checking of Optimization Formulations.
International Conference on Machine Learning (ICML).

2025   Connor Lawless, Yingxi Li, Anders Wikum, Madeleine Udell, and Ellen Vitercik.
LLMs for Cold-Start Cutting Plane Separator Configuration.
Conference on the Integration of Constraint Programming, Artificial Intelligence, and Operations Research (CPAIOR).

2025   New Sequence-Independent Lifting Techniques for Cutting Planes and When They Induce Facets.
Siddharth Prasad, Ellen Vitercik, Maria-Florina Balcan, and Tuomas Sandholm.
International Joint Conference on Artificial Intelligence (IJCAI).

2024   Joon Suk Huh, Ellen Vitercik, and Kirthevasan Kandasamy.
Bandit Profit-Maximization for Targeted Marketing.
ACM Conference on Economics and Computation (EC).

2024   Alexandre Hayderi, Amin Saberi, Ellen Vitercik, and Anders Wikum.
MAGNOLIA: Matching Algorithms via GNNs for Online Value-to-Go Approximation.
International Conference on Machine Learning (ICML).

2023   Wenshuo Guo, Nika Haghtalab, Kirthevasan Kandasamy, and Ellen Vitercik.
Leveraging Reviews: Learning to Price with Buyer and Seller Uncertainty.
ACM Conference on Economics and Computation (EC).
Exemplary Artificial Intelligence Track Paper Award (awarded to one paper at EC 2023).

2023   Christian Borgs, Jennifer Chayes, Christian Ikeokwu, and Ellen Vitercik.
Disincentivizing Polarization in Social Networks.
ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO).

2022   Maria-Florina Balcan, Siddharth Prasad, Tuomas Sandholm, and Ellen Vitercik.
Structural Analysis of Branch-and-Cut and the Learnability of Gomory Mixed Integer Cuts.
Conference on Neural Information Processing Systems (NeurIPS).

2022   Wenshuo Guo, Michael I. Jordan, and Ellen Vitercik.
No-Regret Learning in Partially-Informed Auctions.
International Conference on Machine Learning (ICML).

2022   Maria-Florina Balcan, Siddharth Prasad, Tuomas Sandholm, and Ellen Vitercik.
Improved Sample Complexity Bounds for Branch-and-Cut.
International Conference on Principles and Practice of Constraint Programming (CP).

2021   Maria-Florina Balcan, Siddharth Prasad, Tuomas Sandholm, and Ellen Vitercik.
Sample Complexity of Tree Search Configuration: Cutting Planes and Beyond.
Conference on Neural Information Processing Systems (NeurIPS).

2021   Ellen Vitercik and Tom Yan.
Revenue Maximization via Machine Learning with Noisy Data.
Conference on Neural Information Processing Systems (NeurIPS).

2021   Maria-Florina Balcan, Dan DeBlasio, Travis Dick, Carl Kingsford, Tuomas Sandholm, and Ellen Vitercik.
How Much Data Is Sufficient to Learn High-Performing Algorithms? Generalization Guarantees for Data-Driven Algorithm Design.
ACM Symposium on Theory of Computing (STOC).

2021   Andrés Muñoz Medina, Umar Syed, Sergei Vassilvitskii, and Ellen Vitercik.
Private Optimization without Constraint Violations.
International Conference on Artificial Intelligence and Statistics (AISTATS).

2021   Maria-Florina Balcan, Tuomas Sandholm, and Ellen Vitercik.
Generalization in Portfolio-Based Algorithm Selection.
AAAI Conference on Artificial Intelligence.

2020   Maria-Florina Balcan, Tuomas Sandholm, and Ellen Vitercik.
Refined Bounds for Algorithm Configuration: The Knife-Edge of Dual Class Approximability.
International Conference on Machine Learning (ICML).

2020   Maria-Florina Balcan, Tuomas Sandholm, and Ellen Vitercik.
Learning to Optimize Computational Resources: Frugal Training with Generalization Guarantees.
AAAI Conference on Artificial Intelligence.

2019   Maria-Florina Balcan, Tuomas Sandholm, and Ellen Vitercik.
Estimating Approximate Incentive Compatibility.
ACM Conference on Economics and Computation (EC).
Exemplary Artificial Intelligence Track Paper Award (awarded to one paper at EC 2019).
Best Presentation by a Student or Postdoctoral Researcher (EC 2019).
Invited to the ACM Transactions on Economics and Computation (TEAC) Special Issue for EC 2019.

2019   Daniel Alabi, Adam Kalai, Katrina Ligett, Cameron Musco, Christos Tzamos, and Ellen Vitercik.
Learning to Prune: Speeding Up Repeated Computations.
Conference on Learning Theory (COLT).

2019   Christian Borgs, Jennifer Chayes, Nika Haghtalab, Adam Kalai, and Ellen Vitercik.
Algorithmic Greenlining: An Approach to Increase Diversity.
AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society (AIES).

2018   Maria-Florina Balcan, Travis Dick, and Ellen Vitercik.
Dispersion for Data-Driven Algorithm Design, Online Learning, and Private Optimization.
IEEE Symposium on Foundations of Computer Science (FOCS).

2018   Maria-Florina Balcan, Tuomas Sandholm, and Ellen Vitercik.
General Theory of Sample Complexity for Multi-Item Profit Maximization.
ACM Conference on Economics and Computation (EC).

2018   Maria-Florina Balcan, Travis Dick, Tuomas Sandholm, and Ellen Vitercik.
Learning to Branch.
International Conference on Machine Learning (ICML).

2018   Bernhard Haeupler, Amirbehshad Shahrasbi, and Ellen Vitercik.
Synchronization Strings: Channel Simulations and Interactive Coding for Insertions and Deletions.
International Colloquium on Automata, Languages and Programming (ICALP).

2017   Maria-Florina Balcan, Vaishnavh Nagarajan, Ellen Vitercik, and Colin White.
Learning-Theoretic Foundations of Algorithm Configuration for Combinatorial Partitioning Problems.
Conference on Learning Theory (COLT).

2016   Maria-Florina Balcan, Tuomas Sandholm, and Ellen Vitercik.
Sample Complexity of Automated Mechanism Design.
Conference on Neural Information Processing Systems (NeurIPS).

2016   Maria-Florina Balcan, Ellen Vitercik, and Colin White.
Learning Combinatorial Functions from Pairwise Comparisons.
Conference on Learning Theory (COLT).

MANUSCRIPTS

2025   Mika Sarkin Jain, Stefanie Jegelka, Ishani Karmarkar, Luana Ruiz, and Ellen Vitercik.
Subsampling Graphs with GNN Performance Guarantees.

2025   Emilio Calvano, Nika Haghtalab, Ellen Vitercik, and Eric Zhao.
Algorithmic Content Selection and the Impact of User Disengagement.

2024   Vaggos Chatziafratis, Ishani Karmarkar, and Ellen Vitercik.
From Large to Small Datasets: Size Generalization for Clustering Algorithm Selection.

Tutorials

Machine Learning for Discrete Optimization: Theoretical Guarantees and Applied Frontiers
2024   AAAI Conference on Artificial Intelligence

Machine Learning for Algorithm Design: Theoretical Guarantees and Applied Frontiers
2023   Cargese-Porquerolles Workshop on Combinatorial Optimization

New Frontiers of Automated Mechanism Design for Pricing and Auctions
2021   AAAI Conference on Artificial Intelligence
with Maria-Florina Balcan and Tuomas Sandholm

2020	AAAI Conference on Artificial Intelligence
	with Tuomas Sandholm
2019	ACM Symposium on Theory of Computing (STOC)
	with Maria-Florina Balcan and Tuomas Sandholm
2019	Conference on Economics and Computation (EC)
	with Maria-Florina Balcan and Tuomas Sandholm
2019	AAAI Conference on Artificial Intelligence
	with Maria-Florina Balcan and Tuomas Sandholm
2018	International Conference on Machine Learning (ICML)
	with Maria-Florina Balcan and Tuomas Sandholm under the title Machine Learning in Automated Mechanism Design for Pricing and Auctions

Workshop organization

New Directions in Machine Learning Theory

2024 Banff International Research Station
with Shai Ben-David and Amin Karbasi

Sampling and Optimization in Discrete Space

2023 International Conference on Machine Learning (ICML)
with Hanjun Dai, Priyank Jaini, Haoran Sun, and Ruqi Zhang

Selected talks

Online Matching with Graph Neural Networks

2025	Workshop on Algorithms, Learning, and Games (ALGA)	*(forthcoming)*
2024	Banff International Research Station, New Directions in Machine Learning Theory Workshop
2024	YinzOR Conference
2024	Toyota Technological Institute at Chicago, Workshop on Learning-Augmented Algorithms
2024	Summer Workshop on Innovations in Management Science (SWIMS)

Machine Learning for Online Matching and Integer Programming

2025 Dagstuhl Workshop on Learned Predictions for Data Structures and Running Time

Size Generalization in Learning-Augmented Optimization

2025 Johns Hopkins University, Applied Math and Statistics Seminar

From Large to Small Datasets: Size Generalization for Clustering Algorithm Selection

2024	International Symposium on Mathematical Programming
2024	Massachusetts Institute of Technology, Theory of Computing Colloquium
2024	Oregon State University, AI Seminar
2024	Stanford University, Information Systems Laboratory Colloquium
2024	AAAI Workshop on Artificial Intelligence for Operations Research

Leveraging Reviews: Learning to Price with Buyer and Seller Uncertainty

2024	Simons Institute, Data-Driven Decision Processes Reunion
2023	Stanford University, Statistics Seminar
2023	University of Wisconsin-Madison, Systems, Information, Learning and Optimization Seminar
2023	INFORMS Annual Meeting
2023	University of Chicago, Booth School of Business, Operations Workshop Series
2023	Stanford Graduate School of Business, Operations, Information & Technology Seminar
2023	University of Massachusetts, Amherst, CS Theory Seminar
2023	Cornell Tech, Urban Tech Workshop

2023   IPAM Workshop on Artificial Intelligence and Discrete Optimization

Machine Learning for Algorithm Design
2023   Stanford University, CS & EE New Research Directions Workshop
2022   Simons Institute, Data-Driven Decision Processes Boot Camp

How Much Data is Sufficient to Learn High-Performing Algorithms?
2022   University of Massachusetts, Amherst, Algorithms with Predictions Seminar
2021   Worcester Polytechnic Institute, Computer Science Colloquium
2021   Purdue University, Theory Seminar
2021   Stanford University, Statistics Seminar
2021   Machine Learning for Algorithms Workshop, Foundation of Data Science Institute
2021   ACM Symposium on Theory of Computing (STOC)
2021   IPAM Workshop on Deep Learning and Combinatorial Optimization
2020   NeurIPS Workshop on Learning Meets Combinatorial Algorithms
2020   Stanford University, CS Theory Lunch
2020   Columbia University, Theory Seminar

Generalization Guarantees For Multi-item Profit Maximization: Pricing, Auctions, And Randomized Mechanisms
2022   Google, Mountain View, Search-Ads Auction Spotlight Series
2021   INFORMS Annual Meeting

Theoretical Foundations of Machine Learning for Cutting Plane Selection
2022   Stanford University, Women's Theory Forum

Machine Learning for Tree Search Configuration: Cutting Planes and Beyond
2022   Simons Foundation Symposium on New Directions in Theoretical Machine Learning

Automated Algorithm and Mechanism Configuration
2022   Conference on Economics and Computation (EC)

Estimating Approximate Incentive Compatibility
2022   Algorithmic Game Theory: Past, Present, and Future (Workshop for Noam Nisan's 60th Birthday)
2020   Young Researcher Workshop on Economics and Computation, Tel-Aviv University
2019   INFORMS Annual Meeting
2019   Carnegie Mellon University, Theory Lunch
2019   Conference on Economics and Computation (EC)
2019   EC Workshop on Machine Learning in the Presence of Strategic Behavior

Sample Complexity of Tree Search Configuration: Cutting Planes and Beyond
2022   AAAI Workshop on Machine Learning for Operations Research
2022   STOC Workshop on Algorithms with Predictions

Private Optimization Without Constraint Violations
2022   Workshop on Algorithms for Learning and Economics (WALE)
2021   International Conference on Artificial Intelligence and Statistics (AISTATS)

Data-Driven Auction Design
2022   Miller Institute, UC Berkeley

Theoretical Foundations of Data-Driven Algorithm Design
2021   Google Learning Theory Workshop

Automated Parameter Optimization for Integer Programming

2021   AutoML Workshop at the International Conference on Machine Learning

Integrating Machine Learning into Algorithm Design

2021   University of Texas at Austin, Computer Science Seminar
2021   New York University, Computer Science Colloquium
2021   Columbia University, Computer Science Colloquium
2021   University of British Columbia, Computer Science Seminar
2021   University of Waterloo, Computer Science Seminar
2021   Harvard University, Computer Science Colloquium
2021   Princeton University, Computer Science Department Colloquium
2021   University of California, Los Angeles, Computer Science Seminar
2021   California Institute of Technology, Frontiers in Computing and Mathematical Sciences Symposium
2021   MIT Sloan, Operations Research and Statistics Seminar
2021   Stanford University, Management Sciences and Engineering Seminar
2021   Georgia Institute of Technology, School of Computer Science Seminar
2021   Microsoft Research New England, Seminar
2020   Columbia University, Industrial Engineering and Operations Research Seminar

Generalization in Portfolio-Based Algorithm Selection

2021   AAAI Conference on Artificial Intelligence

Refined Bounds for Algorithm Configuration: The Knife-Edge of Dual Class Approximability

2020   INFORMS Annual Meeting
2020   International Conference on Machine Learning

Machine Learning as a Tool for Algorithm Design

2020   Carnegie Mellon University, Open House for Admitted PhD Students
2019   University of British Columbia, Early Career Invited Lecture

Learning to Prune: Speeding up Repeated Computations

2020   Carnegie Mellon University, Open House for Admitted PhD Students
2019   Conference on Learning Theory (COLT)

Learning to Branch

2019   Cornell ORIE Young Researchers Workshop
2018   Carnegie Mellon University
2018   International Conference on Machine Learning (ICML)

A General Theory of Sample Complexity for Multi-Item Profit Maximization

2019   EC ACM/INFORMS Workshop on Market Design
2018   INFORMS Annual Meeting
2018   China Theory Week
2018   AAMAS-IJCAI Workshop on Agents and Incentives in Artificial Intelligence
2018   Conference on Economics and Computation (EC)

Dispersion for Data-Driven Algorithm Design, Online Learning, and Private Optimization

2018   Northwestern Quarterly Theory Workshop

Learning-Theoretic Foundations of Algorithm Configuration for Combinatorial Partitioning Problems

2018   INFORMS Annual Meeting

Sample Complexity of Multi-Item Profit Maximization

2017   Harvard University, Economics and CS Research Seminar

2017   Dagstuhl Workshop on *Game Theory Meets Computational Learning Theory*

2017   Workshop on Algorithmic Game Theory and Data Science at the Conference on Economics and Computation (EC)

Differentially Private Algorithm and Auction Configuration

2017   Carnegie Mellon University, Theory Lunch

Foundations of Application-Specific Algorithm Configuration

2017   Massachusetts Institute of Technology, Machine Learning Tea

2017   Microsoft Research New England, Machine Learning Lunch

2016   Carnegie Mellon University, Artificial Intelligence Lunch

Learning Submodular Functions from Pairwise Comparisons

2017   Carnegie Mellon University, Open House for Admitted PhD Students

2016   Conference on Learning Theory (COLT)

Sample Complexity of Automated Mechanism Design

2016   University of Pennsylvania, Theory Lunch

2016   Carnegie Mellon University, Theory Lunch

Teaching

Primary instructor

2022-   *Introduction to Probability*, Stanford MS&E 120

2025   *Beyond Worst-Case Analysis*, Stanford CS 264 / MS&E 215

2024   *Machine Learning for Discrete Optimization*, Stanford MS&E 236 / CS 225

2023   *Machine Learning for Algorithm Design*, Stanford MS&E 331 / CS 331

Guest lecturer

2018   Machine Learning and Differential Privacy
Carnegie Mellon University course on Advanced Introduction to Machine Learning

2017   Introduction to Auction Design via Machine Learning
Carnegie Mellon University course on Advanced Introduction to Machine Learning

2017   Introduction to Research in Machine Learning
Carnegie Mellon University course on Research and Innovation in Computer Science

Research mentoring

Postdocs

2024-   Connor Lawless (joint with Madeleine Udell)

PhD students

2024-   Yu He

2024-   Mika Jain (co-advised with Greg Valiant)

2024-   Nikil Selvam (co-advised with Sanmi Koyejo)

2023-   Yingxi Li

2023-   Anders Wikum

2022-   Ishani Karmarkar (co-advised with Aaron Sidford)

Masters students

2024-   Jingruo Sun (Stanford University)

| 2023-2024 | Yash Dalmia (Stanford University) |
| 2023-2024 | Alexandre Hayderi (Stanford University) |

Undergraduate students

2024-	Patrick Ye (Stanford)
2021-2023	Korinna Frangias (UC Berkeley)
2021-2023	Andrew Lin (UC Berkeley)
2021-2023	David Zhang (UC Berkeley)
2018-2019	Rong He (Carnegie Mellon University)
2017	Mengxiao Zhang (Peking University)

Outreach

| 2021- | Co-founder of the Learning Theory Alliance |
| | *Mentorship initiative for the machine learning theory community.* |

| 2024 | Co-chair of *Mentoring Chats* at the International Conference on Learning Representations (ICLR) |

| 2022 | Teaching Assistant at the Institute for Advanced Studies' *Women and Mathematics* program |

2015-2020	Volunteer Instructor for Carnegie Mellon University TechNights
	Workshop for middle school girls.
	Sessions led: "Strategic Voting", "Game Theory", "Smashing Computers", and "Logic Puzzles".

2019	Session leader for Carnegie Mellon University OurCS
	Workshop for undergraduate women in computer science.
	Session led: "Machine Learning for Automated Algorithm Configuration".

| 2014-2015 | Workshop Leader for Columbia University's Computer Science Emerging Scholars Program |

Professional activities

Program committee chair
Learning on Graphs Conference (LoG) 2025

Senior program committee
Conference on Learning Theory (COLT) 2024, 2025

Area chair
International Conference on Machine Learning (ICML) 2024

Program committee
Conference on Economics and Computation (EC) 2023, 2025
Conference on Fairness, Accountability, and Transparency (FAccT) 2023
Conference on Web and Internet Economics (WINE) 2021
Innovations in Theoretical Computer Science (ITCS) 2023
International Conference on Algorithmic Learning Theory (ALT) 2022, 2023
Symposium on Discrete Algorithms (SODA) 2024

Journal editorial boards

| 2024- | Associate Editor, INFORMS Journal on Computing |
| 2024- | Action Editor, Transactions on Machine Learning Research (TMLR) |

Workshop chair

2024-2025   Conference on Economics and Computation (EC)

Awards committees

2024-2025   INFORMS George Nicholson Student Paper Competition

Journal reviewing

ACM Transactions on Economics and Computation (TEAC) 2020, 2021
Artificial Intelligence (AIJ) 2019, 2021
IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI) 2019
INFORMS Journal on Computing 2019
INFORMS Journal on Optimization 2022
Journal of the ACM (JACM) 2020, 2021, 2023
Management Science 2022
Mathematics of Operations Research 2025
Nature Advances 2023
Operations Research (OR) 2020, 2021
SIAM Journal on Mathematics of Data Science (SIMODS) 2019

Conference reviewing

AAAI Conference on Artificial Intelligence 2021
Conference on Artificial Intelligence, Ethics, and Society (AIES) 2019
Conference on Economics and Computation (EC) 2020
Conference on Learning Theory (COLT) 2018
Conference on Neural Information Processing Systems (NeurIPS) 2017, 2018, 2019, 2020, 2021
European Symposium on Algorithms (ESA) 2020
Innovations in Theoretical Computer Science (ITCS) 2021, 2022
International Colloquium on Automata, Languages and Programming (ICALP) 2022
International Conference on Artificial Intelligence and Statistics (AISTATS) 2019
International Conference on Learning Representations (ICLR) 2022, 2025
International Conference on Machine Learning (ICML) 2017, 2018, 2019, 2020, 2025
International Conference on Randomization and Computation (RANDOM) 2018
International Joint Conference on Artificial Intelligence (IJCAI) 2016
Symposium on Discrete Algorithms (SODA) 2018, 2020, 2021, 2023
Symposium on Foundations of Computer Science (FOCS) 2019
Symposium on Principles of Distributed Computing (PODC) 2016
Symposium on Theory of Computing (STOC) 2017, 2020, 2021, 2024
Conference on Web and Internet Economics (WINE) 2018

Session Chair

INFORMS Annual Meeting, 2018, 2025

University service

Stanford University

2022, 2024   PhD Admissions Committee Member, Computer Science Department
2023   Faculty Search Committee Member, Management Science & Engineering Department

Carnegie Mellon University

2017-2018   PhD Admissions Committee Member, Computer Science Department
2016-2017   Co-coordinator of the Artificial Intelligence Lunch and Seminar