Negar Mehr

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University of California, Berkeley
Berkeley, CA

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Current Position

2024-present **University of California, Berkeley**
Assistant Professor, Mechanical Engineering Department

Employment

2020-2023 **University of Illinois Urbana-Champaign**
Assistant Professor, Department of Aerospace Engineering
Assistant Professor, Coordinated Science Laboratory (%0)
Assistant Professor, Electrical and Computer Engineering (ECE) Department (%0)

Education

2019-2020 **Stanford University**
Postdoctoral Scholar in Aeronautics and Astronautics

2013-2019 **University of California, Berkeley**
Ph.D. in Mechanical Engineering

2009-2013 **Sharif University of Technology**
B.Sc. in Mechanical Engineering

Honors and Awards

Spring 2026 **ONR Young Investigator Program (YIP) Award**

Spring 2025 Selected as a **Rising Star** by the American Society of Mechanical Engineers (ASME)

Summer 2024 Chosen as one of the 50 Notable Women+ in Reinforcement Learning (RL)

Fall 2023	Ranked as an **Excellent Teacher** by UIUC students for the course "Control of Multi-Agent Systems"
Spring 2022	**NSF CAREER Award**
Fall 2021	Selected as Best Paper Award finalist at NeurIPS 2021 workshop on Safe and Robust Control of Uncertain Systems
Spring 2021	Selected for the UIUC COVID-19 Wall of Recognition in Engineering which recognizes the people who had gone "above and beyond" in their response to the COVID-19 pandemic
Fall 2020	The IEEE ITSS **Best PhD Dissertation Award**, First Prize
Fall 2018	Selected for MIT EECS Rising Stars Workshop
Summer 2018	Selected for UC Berkeley Summer Institute for Preparing Future Faculty
Summer 2018	Selected for Stanford Women in Aerospace Symposium
Spring 2018	Oakley-Barratt Family Graduate Fellowship
Fall 2017	Awarded Women Transportation Seminars (WTS) Graduate Scholarship
Fall 2017	Selected for MIT CEE Rising Stars Workshop
Fall 2016	First prize for the ITSC Best Student Paper Award
Fall 2016	Chang-Lin Tien Graduate Fellowship
Fall 2014	Best Prelim Performer at UC Berkeley Mechanical Engineering Department
Fall 2013	Eltoukhy East-West Gateway Fellowship, UC Berkeley

Publications

Journals

[1] Mark Beliaev, **Negar Mehr**, and Ramtin Pedarsani. Congestion-aware bi-modal delivery systems utilizing drones. *Future Transportation*, 3(1):329–348, 2023.

[2] Mark Beliaev, **Negar Mehr**, and Ramtin Pedarsani. Pricing for multi-modal pickup and delivery problems with heterogeneous users. *Transportation Research Part C: Emerging Technologies*, 169:104864, 2024.

[3] Maulik Bhatt, Yixuan Jia, and **Negar Mehr**. Strategic decision-making in multi-agent domains: A weighted constrained potential dynamic game approach. *IEEE Transactions on Robotics*, 2025.

[4] Chih-Yuan Chiu, Jingqi Li, Maulik Bhatt, and **Negar Mehr**. To what extent do open-loop and feedback Nash equilibria diverge in general-sum linear quadratic dynamic games? *IEEE Control Systems Letters*, 2024.

[5] Mustafa O. Karabag, Sophia Smith, **Negar Mehr**, David Fridovich-Keil, and Ufuk Topcu. When should a leader act suboptimally? the role of inferability in repeated stackelberg games. *IEEE Transactions on Automatic Control*, pages 1–16, 2025.

[6] Ruolin Li, **Negar Mehr**, and Roberto Horowitz. Submodularity of optimal sensor placement for traffic networks. *Transportation Research Part B: Methodological*, 171:29–43, 2023.

[7] Haruki Nishimura, **Negar Mehr**, Adrien Gaidon, and Mac Schwager. Rat iLQR: A risk auto-tuning controller to optimally account for stochastic model mismatch. *IEEE Robotics and Automation Letters*, 6(2):763–770, 2021.

[8] Navid Rezazadeh, Maxwell Kolarich, Solmaz S Kia, and **Negar Mehr**. Learning contraction policies from offline data. *IEEE Robotics and Automation Letters*, 7(2):2905–2912, 2022. **Best Paper Award Finalist at NeurIPS 2022 workshop on Safe and Robust Control of Uncertain Systems**.

[9] **Negar Mehr** and Roberto Horowitz. How will the presence of autonomous vehicles affect the equilibrium state of traffic networks? *IEEE Transactions on Control of Network Systems*, 7(1):96–105, 2019.

[10] **Negar Mehr**, Ruolin Li, and Roberto Horowitz. A game theoretic macroscopic model of lane choices at traffic diverges with applications to mixed-autonomy networks. *Transportation Research Part B: Methodological*, 144:45–59, 2021.

[11] **Negar Mehr**, Mingyu Wang, Maulik Bhatt, and Mac Schwager. Maximum-entropy multi-agent dynamic games: Forward and inverse solutions. *IEEE Transactions on Robotics*, 39(3):1801–1815, 2023.

Conferences

[12] Antoine Bergerault, Volkan Cevher, and **Negar Mehr**. Matching multiple experts: On the exploitability of multi-agent imitation learning. In *2026 nternational Conference on Learning Representations (ICLR)*, 2026.

[13] Hongrui Zhao, Xunlan Zhou, Boris Ivanovic, and **Negar Mehr**. UDON: Uncertainty-weighted Distributed Optimization for multi-robot Neural implicit mapping under extreme communication constraints. In *2026 IEEE International Conference on Robotics and Automation (ICRA)*, 2026.

[14] Dong Dayi, Maulik Bhatt, Seoyeon Choi, and **Negar Mehr**. MIMIC-D: Multi-modal Imitation for MultI-agent Coordination with decentralized Diffusion policies. In *2026 IEEE International Conference on Robotics and Automation (ICRA)*, 2026.

[15] Maulik Bhatt, Iman Askari, Yue Yu, Ufuk Topcu, Huazhen Fang, and **Negar Mehr**. MultiNash-PF: A particle filtering approach for computing multiple local generalized nash equilibria in trajectory games. In *2025 IEEE International Conference on Intelligent Robots and Systems (IROS)*. IEEE, 2025.

[16] Rohan Chandra, Haresh Karnan, **Negar Mehr**, Peter Stone, and Joydeep Biswas. Multi-agent inverse reinforcement learning in real world unstructured pedestrian crowds. In *2025 IEEE International Conference on Intelligent Robots and Systems (IROS)*. IEEE, 2025.

[17] Maulik Bhatt, Honghao Zhen, Monroe Kennedy, and **Negar Mehr**. Understanding and imitating human-robot motion with restricted visual fields. In *2025 IEEE International Conference on Intelligent Robots and Systems (IROS)*. IEEE, 2025.

[18] Hongrui Zhao, Boris Ivanovic, and **Negar Mehr**. RAMEN: real-time asynchronous multi-agent neural implicit mapping. In *Proceedings of Robotics: Science and Systems*, 2025.

[19] Jean-Baptiste Bouvier, Kanghyun Ryu, Kartik Nagpal, Qiayuan Liao, Koushil Sreenath, and **Negar Mehr**. DDAT: diffusion policies enforcing dynamically admissible robot trajectories. In *Proceedings of Robotics: Science and Systems*, 2025.

[20] Kanghyun Ryu, Qiayuan Liao, Zhongyu Li, Payam Delgosha, Koushil Sreenath, and **Negar Mehr**. CurricuLLM: Automatic task curricula design for learning complex robot skills using large language models. In *2025 IEEE International Conference on Robotics and Automation (ICRA)*, 2025.

[21] Kartik Nagpal, Dayi Dong, and **Negar Mehr**. Leveraging large language models for effective and explainable multi-agent credit assignment. In *2025 International Conference on Autonomous Agents and Multiagent Systems (AAMAS)*, 2025.

[22] William Ward, Yue Yu, Jacob Levy, **Negar Mehr**, David Fridovich-Keil, and

Ufuk Topcu. Active inverse learning in stackelberg trajectory games. In *2025 American Control Conference (ACC)*. IEEE, 2025.

[23] Kanghyun Ryu, Jean-Baptiste Bouvier, Shazaib Lalani, Siegfried Eggl, and **Negar Mehr**. Risk-sensitive orbital debris collision avoidance using distributionally robust chance constraints. In *AIAA SCITECH 2025 Forum*, page 0758, 2025. **Finalist for the best student paper award**.

[24] Jean-Baptiste Bouvier, Kartik Nagpal, and **Negar Mehr**. Learning to provably satisfy high relative degree constraints for black-box systems. In *2024 IEEE International Conference on Decision and Control (CDC)*. IEEE, 2024.

[25] Vivek Sharma, **Negar Mehr**, and Naira Hovakimyan. Learning differentiable and safe multi-robot control for generalization to novel environments using control barrier functions. In *2024 IEEE International Conference on Decision and Control (CDC)*. IEEE, 2024.

[26] Kartik Nagpal and **Negar Mehr**. Optimal robotic assembly sequence planning: A sequential decision-making approach. In *2024 IEEE International Conference on Intelligent Robots and Systems (IROS)*. IEEE, 2024.

[27] Jean-Baptiste Bouvier, Kartik Nagpal, and **Negar Mehr**. POLICEd RL: Learning Closed-Loop Robot Control Policies with Provable Satisfaction of Hard Constraints. In *Proceedings of Robotics: Science and Systems*, Delft, Netherlands, July 2024.

[28] Emma Clark, Kanghyun Ryu, and **Negar Mehr**. Adaptive teaching in heterogeneous agents: Balancing surprise in sparse reward scenarios. In *Proceedings of the 6th Annual Learning for Dynamics & Control Conference*, volume 242, pages 1489–1501. PMLR, 15–17 Jul 2024.

[29] Kanghyun Ryu and **Negar Mehr**. Integrating predictive motion uncertainties with distributionally robust risk-aware control for safe robot navigation in crowds. In *2024 IEEE International Conference on Robotics and Automation (ICRA)*, pages 2410–2417, 2024.

[30] Gokul Puthumanaillam, Xiangyu Liu, **Negar Mehr**, and Melkior Ornik. Weathering ongoing uncertainty: learning and planning in a time-varying partially observable environment. In *2024 IEEE International Conference on Robotics and Automation (ICRA)*, pages 4612–4618. IEEE, 2024.

[31] Maulik Bhatt, Yixuan Jia, and **Negar Mehr**. Efficient constrained multi-agent interactive planning using constrained dynamic potential games. In *2023 IEEE International Conference on Intelligent Robots and Systems (IROS)*. IEEE, 2023.

[32] Yixuan Jia, Maulik Bhatt, and **Negar Mehr**. Rapid: Autonomous multi-agent racing using constrained potential dynamic games. In *2023 European Control Conference (ECC)*, pages 1–8, 2023.

[33] Zach Williams, Jushan Chen, and **Negar Mehr**. Distributed potential iLQR: Scalable game-theoretic trajectory planning for multi-agent interactions. In *2023 IEEE International Conference on Robotics and Automation (ICRA)*, pages 01–07, 2023.

[34] Xiaoyu Ma and **Negar Mehr**. Learning to influence vehicles' routing in mixed-autonomy networks by dynamically controlling the headway of autonomous cars. In *2023 IEEE International Conference on Robotics and Automation (ICRA)*, pages 3510–3516, 2023.

[35] Mark Beliaev, **Negar Mehr**, and Ramtin Pedarsani. Congestion-aware bi-modal delivery systems utilizing drones. In *2022 European Control Conference (ECC)*, pages 1944–1951. IEEE, 2022.

[36] Maxwell Kolarich and **Negar Mehr**. Stackelberg routing of autonomous cars in mixed-autonomy traffic networks. In *2022 American Control Conference (ACC)*, pages 4654–4661. IEEE, 2022.

[37] Talha Kavuncu, Ayberk Yaraneri, and **Negar Mehr**. Potential iLQR: A Potential-Minimizing Controller for Planning Multi-Agent Interactive Trajectories. In *Proceedings of Robotics: Science and Systems (RSS)*, Virtual, July 2021.

[38] Ruolin Li, **Negar Mehr**, and Roberto Horowitz. The impact of autonomous vehicles' headway on the social delay of traffic networks. In *2020 Conference on Decision and Control (CDC)*. IEEE, 2020.

[39] Mingyu Wang, **Negar Mehr**, Adrien Gaidon, and Mac Schwager. Game-theoretic planning for risk-aware interactive agents. In *2020 IEEE International Conference on Intelligent Robots and Systems (IROS)*. IEEE, 2020.

[40] Mikhail Burov, **Negar Mehr**, Stanley Smith, Alex Kurzhanskiy, and Murat Arcak. Platoon formation algorithm for minimizing travel time. In *2020 IEEE Intelligent Transportation Systems Conference (ITSC)*. IEEE, 2020.

[41] Ruolin Li, **Negar Mehr**, and Roberto Horowitz. An extended game-theoretic model for aggregate lane choice behavior of vehicles at traffic diverges with a bifurcating lane. In *2019 IEEE 22nd International Conference on Intelligent Transportation Systems (ITSC)*. IEEE, 2019.

[42] **Negar Mehr** and Roberto Horowitz. Pricing traffic networks with mixed vehicle autonomy. In *2019 Annual American Control Conference (ACC)*, pages 2676–2682. IEEE, 2019.

[43] **Negar Mehr**, Ruolin Li, and Roberto Horowitz. A game theoretic model for aggregate bypassing behavior of vehicles at traffic diverges. In *2018 21st International Conference on Intelligent Transportation Systems (ITSC)*, pages 1968–1973. IEEE, 2018.

[44] **Negar Mehr** and Roberto Horowitz. Can the presence of autonomous vehicles worsen the equilibrium state of traffic networks? In *2018 IEEE Conference on Decision and Control (CDC)*, pages 1788–1793. IEEE, 2018.

[45] **Negar Mehr**, Marc Sanselme, Nitzan Orr, Roberto Horowitz, and Gabriel Gomes. Offset selection for bandwidth maximization on multiple routes. In *2018 Annual American Control Conference (ACC)*, pages 6366–6371. IEEE, 2018.

[46] **Negar Mehr**, Jennie Lioris, Roberto Horowitz, and Ramtin Pedarsani. Signal control for urban traffic networks with unknown system parameters. In *2018 21st International Conference on Intelligent Transportation Systems (ITSC)*, pages 2171–2176. IEEE, 2018.

[47] **Negar Mehr** and Roberto Horowitz. A submodular approach for optimal sensor placement in traffic networks. In *2018 Annual American Control Conference (ACC)*, pages 6353–6358. IEEE, 2018.

[48] **Negar Mehr**, Jennie Lioris, Roberto Horowitz, and Ramtin Pedarsani. Joint perimeter and signal control of urban traffic via network utility maximization. In *2017 IEEE 20th International Conference on Intelligent Transportation Systems (ITSC)*, pages 1–6. IEEE, 2017.

[49] **Negar Mehr**, Roberto Horowitz, and Ramtin Pedarsani. Low-complexity ramp metering for freeway congestion control via network utility maximization. In *2017 IEEE 56th Annual Conference on Decision and Control (CDC)*, pages 5672–5677. IEEE, 2017.

[50] **Negar Mehr**, Dorsa Sadigh, Roberto Horowitz, S Shankar Sastry, and Sanjit A Seshia. Stochastic predictive freeway ramp metering from signal temporal logic specifications. In *2017 Annual American Control Conference (ACC)*, pages 4884–4889. IEEE, 2017.

[51] Sarah Koehler, **Negar Mehr**, Roberto Horowitz, and Francesco Borrelli. Stable hybrid model predictive control for ramp metering. In *2016 IEEE 19th Interna-*

tional Conference on Intelligent Transportation Systems (ITSC), pages 1083–1088. IEEE, 2016. **First prize for the best student paper award**.

[52] **Negar Mehr** and Roberto Horowitz. Probabilistic freeway ramp metering. In *ASME 2016 Dynamic Systems and Control Conference*. American Society of Mechanical Engineers, 2016.

[53] **Negar Mehr**, Roberto Horowitz, and Anca D Dragan. Inferring and assisting with constraints in shared autonomy. In *2016 IEEE 55th Conference on Decision and Control (CDC)*, pages 6689–6696. IEEE, 2016.

[54] Behrooz Shahsavari, Omid Bagherieh, **Negar Mehr**, Roberto Horowitz, and Claire Tomlin. Optimal mode-switching and control synthesis for floating offshore wind turbines. In *2016 Annual American Control Conference (ACC)*, pages 2295–2300. IEEE, 2016.

Patents

Spring 2022   **Systems and Methods for Controlling a Robot**

Spring 2022   **Game-Thoeretic Planning for Risk-Aware Interactive Agents**

Teaching

UC Berkeley ME 232: Advanced Control Systems
Fall 2025

UC Berkeley ME 292B/EE290: Modeling and Control of Multi-Agent Systems
Fall 2024

UC Berkeley ME276DS: Statistics and Data Science for Engineers
Spring 2024

UIUC AE 598: Learning and Control for Multi-Agent Interactions
Fall 2023

UIUC AE 100: Introduction to Aerospace Engineering
Fall 2022, Fall 2021, Fall 2020

UIUC AE 504: Optimal Aerospace Systems
Spring 2022, Spring 2021

Service

Berkeley Space Center Robotics and Autonomy Cluster Lead
Fall 2025 - present

Bay Area Robotics Symposium (BARS) Organizer
Fall 2024, Fall 2025

Editor-in-Chief
L4DC 2022

Associate Editor
Control Systems Letters (L-CSS), 2025-present
Open Journal of Control Systems (OJ-CSYS) Special Issue on Machine Learning
and Control
Conference on Decision and Control (CDC), 2023 - present
American Control Conference (ACC), 2023 - present
International Conference on Intelligent Robots and Systems (IROS), 2024 - present
International Conference on Robotics and Automation (ICRA), 2025 - present

Program Co-Chair
International Symposium on Distributed Autonomous Robotic Systems (DARS)
2022

Publicity Chair
Robotics: Science and Systems (RSS) 2026

Area Chair
Robotics: Science and Systems (RSS) 2025

Workshop Organizer
Game Theory Meets MPC: Advances in Multi-Agent Control - CDC 2025
Multi-Agent Planning and Navigation in Challenging Environments - RSS 2023
Strategic Multi-Agent Interactions: Game Theory for Robot Learning and Decision
Making - CoRL 2022
Behavior-driven Autonomous Driving in Unstructured Environments - IROS 2022
Learning and Control for Safety-Critical Systems - ACC 2022
Perception and Control for Autonomous Navigation in Crowded Dynamic Environments - RSS 2021

Technical Program Committee
Learning for Dynamics and Control (L4DC) 2025
International Symposium of Robotics Research (ISRR) 2024
Robotics: Science and Systems (RSS) 2024
Workshop on the Algorithmic Foundations of Robotics (WAFR) 2022-2024
International Conference on Cyber-Physical Systems (ICCPS) 2021-2022
International Symposium on Multi-Robot and Multi-Agent Systems (MRS) 2021

Seminar Organizer
Berkeley Mechanical Engineering Control Seminars 2024-present
Illinois Robotics Seminars 2021-2023.

Best Paper Award Selection Committee
Conference on Decision and Control (CDC) 2021

Guest Lecture
UC Riverside Advances Robotics
Virginia Tech Multi-Robot Navigation (MRN)
UIUC ECE 598: Human-Robot Interaction
UT Austin ASE 389: Modeling Multi-Agent Systems
UIUC ECE470: Introduction to Robotics

NSF Reviewer
Human-Centered Computing (HCC) panel
Foundational Research in Robotics (FRR) panel
Cyber-Physical Systems (CPS) panel
Energy, Power, Control, and Networks (EPCN) panel
Dynamics, Control and Systems Diagnostics (DCSD)

Department Service
UC Berkeley Aerospace Engineering Master of Engineering Representative 2024-2025
UC Berkeley Control Prelims Exam Representative 2024-2025
College of Engineering Aerospace Engineering (AE) Faculty Executive Committee (FEC) 2024
UC Berkeley Mechanical Engineering Departmental Seminar Series 2024
UIUC Grainger College of Engineering Course and Curricula Committee 2023
UIUC Graduate Admissions Committee 2021-2022
UIUC AE Graduate Policy Committee 2021-2022
UIUC AE Undergraduate Curriculum Committee 2021

Qualification Exam Committee
Yichen Xie
Akio Kodaira
Ting-Hao Wang
Gihyeob An
Deaho Moon
Jen-Wei Wang
Hansung Kim
Carlo Bosio
Teaya Yang
Hyunin Lee
Tommy Banker
Yutaka Shimizu
Jeffrey Cheng

Ph.D. Dissertation Committee
Lingfeng Sun
Edward Zhu
Xu Shen
Gihyeob An
Deaho Moon
Jen-Wei Wang
Scott Emmons

Tutorial Session Organizer
Formal Methods in Transportation Flow Networks, ACC 2016.

External Reviewer for Journals
International Journal of Robotics Research
Robotics and Automation Letters
IEEE Transactions on Robotics
Autonomous Robots
Transactions on Automatic Control
IEEE Transactions on Control of Network Systems
Transportation Research Part B
Transportation Research Part C
IEEE Transactions on Intelligent Transportation Systems
IEEE Transactions on Intelligent Vehicles

External Reviewer for Conferences
International Conference on Machine Learning (ICML)
American Control Conference (ACC)
Robotics: Science and Systems (RSS)
International Conference on Robotics and Automation (ICRA)
Conference on Decision and Control (CDC)
International Conference on Intelligent Robots and Systems (IROS)
Intelligent Vehicles Symposium (IV)
International Conference on Intelligent Transportation Systems (ITSC)
International Conference on Cyber-Physical Systems (ICCPS)
International Conference on Control, Automation, Robotics and Vision (ICARCV)
Dynamic Systems & Control Conference (DSCC)
Conference on Control Technology and Applications (CCTA)

Outreach

Spring 2026 **SWE High School Engineering Program (HSEP)**
Faculty Speaker

Fall 2024 **Engineering 92**
Faculty Representative of ME

Fall 2024 **SWE High School Engineering Program (HSEP)**
Faculty Speaker

Summer 2024 **NextProf Nexus Future Faculty workshop**
Faculty Reviewer

Spring 2024 **RSS Pioneers workshop**
Meta Reviewer

Spring 2022 **Education Justice Project**
Member of Re-entry Initiative

Fall **UIUC Women in Aerospace Engineering**
2021-2023 Faculty Advisor

2020-2023 **UIUC Minorities in Aerospace Engineering**
Leadership Team

2019-2020 **Stanford Women in Science and Engineering (WISE)**
Leading Member of Round-table Women Discussions

2017-2019 **UC Berkeley Graduate Women of Engineering**
Recruitment Chair
Speaker Series Co-Chair

Invited Talks

Fall 2025 **Interactive Autonomy: Learning and Control for Multi-Agent Interactions**
Boeing Autonomy Community of Practice

Fall 2025 **Interactive Autonomy: Learning and Control for Multi-Agent Interactions**
Caltech Control and Dynamics Seminars
MIT Robotis Seminars
Michigan Robotics Seminars
UC Santa Barbara CCDC Control Seminar Series
Lehigh Autonomous and Intelligent Robotics (AIR) Lab Seminars

Summer 2025 **Beyond the Hype: Risk-Aware Learning and Control for Embodied AI**
Exclusive Airbus Acubed Meeting with the Airbus CTO

Spring 2025 **Interactive Autonomy: Learning and Control for Multi-Agent Interactions**
MIT Robotics Worldwide Workshop
UC Davis Mechanical and Aerospace Engineering Department Seminars
UC Berkeley Partners for Advanced Transportation Technology (PATH)

Fall 2024 **Interactive Autonomy: Game-Theoretic Learning and Control for Multi-Agent Interactions**
ETH Automatic Control Seminars
University of Southern California Control Seminar Series
Georgia Tech IRIM Robotics Seminar Series
Illinois Robotic Seminars

Summer 2024 **Interactive Autonomy: Game-Theoretic Learning and Control for Multi-Agent Interactions**
Reinforcement Learning Conference (RLC) 2024 Workshop on Coordination and Cooperation in Multi-Agent Reinforcement Learning

Summer 2024 **Generative AI for Dynamical Systems - Mitigating Risks Amidst the Hype**
Boeing AI Summit

Summer 2024 **Towards Socially-Aware Integration of Autonomy into Cities**
RSS 2024 Workshop on Autonomous Vehicles Across Scales

Summer 2024 **Socially-Aware Control of Mixed-Autonomy Traffic Networks in the Face of Evolving Human Behavior**
ACC 2024 Workshop on Challenges in Control for the Future of Mobility

Spring 2024 **Learning Human's Intentions and Objectives from Demonstrations of their Multi-Agent Interactions**
Berkeley Deep Drive Workshop

Spring 2024 **Interactive Autonomy: Game-Theoretic Learning and Control for Multi-Agent Interactions**
MIT Henry L. Pierce Laboratory Seminar Series
Multi-Agent Learning Seminar Series
UC Berkeley Design of Robotics and Embedded systems, Analysis, and Modeling Seminar (DREAMS)

Spring 2024 **Autonomous Multi-Agent Systems for Space Exploration**
UC Berkeley Aerospace Engineering Seminars

Spring 2024 **Socially-Aware Control of Mixed-Autonomy Traffic Networks in the Face of Evolving Human Behavior**
UC Berkeley Semiautonomous Seminars

Spring 2024 **Autonomous In-Space Assembly and Servicing with a Swarm of Robots**
Bay Area Aero-Fest (BAAF)

Fall 2023 **Reshaping Urban Mobility in Traffic Networks with Mixed Vehicle Autonomy**
CDC 2023 Workshop on "Population Games: Strategic Multi-Agent Interactions at Scale"

Fall 2023 **Interactive Autonomy: Learning and Control for Multi-Agent Interactions**
University of Washington Control X Seminars

Summer 2023 **Game-Theoretic Decision Making and Planning for Multi-Agent Interactions**
RSS 2023 Workshop on "Multi-Agent Planning and Navigation in Challenging Environments"

Spring 2023 **Interactive Autonomy: Learning and Control for Multi-Agent Interactions**
Stanford Mechanical Engineering Department
UC Berkeley Mechanical Engineering Seminars
CMU Tartan Planning Series

Fall 2022   **Towards Safe and Interactive Autonomy: Learning and Control for Multi-Agent Interactions**
UCSD Mechanical and Aerospace Engineering Department
UT Austin Control Seminars

Spring 2022   **Towards Safe and Interactive Autonomy: Learning and Control for Multi-Agent Interactions**
UCI Mechanical and Aerospace Engineering Department
USC Aerospace and Mechanical Engineering Seminar Series

Fall 2021   **Socially-Aware Autonomy: Game-Theoretic Planning and Control for Multi-Agent Interactions**
CSL Future of Computing Symposium
ETH Autonomy Talks
West Virginia University Robotics Seminars

Fall 2020   **Team Teaching in the Time of COVID-19**
UIUC Academy for Excellence in Engineering Education (AE3)

Summer 2020   **Safe Robotic Interactions under Uncertainty through Risk-Sensitive Control**
RSS Workshop on "Emergent Behaviors in Human-Robot Systems"

Fall 2019   **Towards Mobility-Efficient Smart Cities via Socially-Aware Autonomy**
Stanford ILIAD Lab
Stanford Intelligent Systems Laboratory
Stanford Autonomous Systems Laboratory
Berkeley Deep Drive

Spring 2019   **Towards Mobility-Efficient Smart Cities via Socially-Aware Autonomy**
UIUC Aerospace Engineering Department
UPenn Electrical and Systems Engineering
Princeton Electrical Engineering Department
UCLA Mechanical Engineering Department
CMU Civil Engineering Department
MIT Civil and Environmental Engineering Department

Fall 2018   **Traffic Networks in the Presence of Autonomous Vehicles**
AI Breakthroughs Workshop, Microsoft Research

Summer 2018   **Offset Selection for Bandwidth Maximization on Multiple Routes**
IPAM Workshop on New Directions in Mathematical Approaches for Traffic Flow, UCLA

Summer 2018   **Analysis and Control of the Current and Future Traffic Networks**
Women in Aerospace Symposium, Stanford

Fall 2017 **Smart Traffic Control: from Freeways to Urban Networks**
Civil and Environmental Engineering Rising Stars Workshop, MIT

Summer 2017 **Stable Hybrid MPC for Ramp Metering**
IPAM workshop on New Directions in Mathematical Approaches for Traffic Flow
Management, UCLA