

ANDREA BAJCSY

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	<i>scholar</i>	https://scholar.google.com/citations?user=LUe32ToAAAAJ&hl=en

I am an Assistant Professor in the Robotics Institute at Carnegie Mellon University. I work at the intersection of robotics, machine learning, control theory, and human-AI interaction. I'm particularly interested in developing theory and algorithms towards "open world" robot safety, leveraging both decision-theoretic (e.g., robust control) and statistical (e.g., uncertainty quantification) methods. I ground my work through systems such as robotic manipulators, aerial vehicles, quadrupeds, and autonomous cars.

CURRENT POSITION	Assistant Professor Robotics Institute, Carnegie Mellon University <i>Director, Interactive and Trustworthy Robotics Laboratory</i>	September 2023 - present
EDUCATION	University of California, Berkeley Ph.D. in Electrical Engineering and Computer Science Advisors: Anca D. Dragan & Claire J. Tomlin Thesis: <i>Bridging Safety and Learning in Human-Robot Interaction</i>	2022
	University of Maryland, College Park B.S. in Computer Science, Minor in Mathematics	2016
PAST POSITIONS	Postdoctoral Scholar with Jitendra Malik, University of California, Berkeley	August 2022 - July 2023
	Research Intern NVIDIA Research, Autonomous Vehicles Research Group	Spring 2021
	Research Intern Max Planck Institute for Intelligent Systems, Autonomous Motion Group	Summer 2016
AWARDS & HONORS	DARPA Young Faculty Award For " <i>Unifying Uncertainty & Safety for Embodied AI Agents</i> "	2025
	NSF CAREER Award For " <i>Formalizing Open World Safety for Interactive Robotics</i> "	2025
	Google Research Scholar Award For " <i>In-the-Wild Robot Behavior Alignment from Human Preferences</i> "	2024
	Rising Stars Academic Career Workshop in EECS Awarded to 40 EECS graduate and postdoctoral women.	2021

Honorable Mention for the 2020 IEEE T-RO Best Paper Award	2020
Robotics: Science and Systems (RSS) Pioneers	2020
Awarded to 30 early career researchers around the world in robotics.	
National Science Foundation Graduate Research Fellowship	2016
Berkeley EECS Excellence Award	2016
Student Researchers of the Year Award	2016
Awarded to 5 undergraduates, University of Maryland.	
CRA Undergraduate Research Award Honorable Mention	2016
Recognizes undergraduates in North American universities who show outstanding research potential in an area of computing research.	
Brendan Iribe Scholar	2015
Awarded yearly to 1 computer science undergraduate, University of Maryland.	

PRE-PRINTS

- [P6] **Reimagination with Test-time Observation Interventions: Distractor-Robust World Model Predictions.**
 Y. Chen, J. Wei, C. Xu, B. Li, M. Tomizuka, A. Bajcsy, R. Tian.
International Conference on Robotics and Automation (ICRA), 2025
 (in preparation).
- [P5] **Vision-Language Guided Safe Dynamic Manipulation via Object-Centric Transformers.**
 S. Saxena, O. Kroemer, A. Bajcsy.
International Conference on Robotics and Automation (ICRA), 2025
 (in preparation).
- [P4] **A Unified Framework for Robots that Influence Humans over Long-Term Interaction.**
 S. Sagheb, S. Parekh, R. Pandya, Y. Mun, K. Driggs-Campbell, A. Bajcsy, D.P. Losey.
International Journal of Robotics Research (IJRR), 2025
 (under review).
- [P3] **Maximizing Alignment with Minimal Feedback: Efficiently Learning Rewards for Visuomotor Robot Policy Alignment.**
 R. Tian, Y. Wu, C. Xu, M. Tomizuka, J. Malik, A. Bajcsy.
International Journal of Robotics Research (IJRR), 2025
 (under review).
- [P2] **Human–AI Safety: A Descendant of Generative AI and Control Systems Safety.**
A. Bajcsy and J. Fisac
arXiv, 2024.
- [P1] **Towards the Unification and Data-Driven Synthesis of Autonomous Vehicle Safety Concepts.**
 K. Leung*, A. Bajcsy*, E. Schmerling, M. Pavone.
arXiv, 2022.

- CONFERENCE PUBLICATIONS**
- [C31] **Uncertainty-aware Latent Safety Filters for Avoiding Out-of-Distribution Failures.**
J. Seo, K. Nakamura, A. Bajcsy.
Conference on Robot Learning (CoRL), 2025.
 - [C30] **Adapting by Analogy: OOD Generalization of Visuomotor Policies via Functional Correspondence.**
P. Gupta, H. Admoni, A. Bajcsy.
Conference on Robot Learning (CoRL), 2025.
 - [C29] **Robots that Suggest Safe Alternatives.**
H.J. Jeong, R. Chen, and A. Bajcsy.
International Conference on Intelligent Robots and Systems (IROS), 2025.
 - [C28] **Your Learned Constraint is Secretly a Backwards Reachable Tube.**
M. Qadri, G. Swamy, J. Francis, M. Kaess, A. Bajcsy.
Reinforcement Learning Conference (RLC), 2025.
 - [C27] **Generalizing Safety Beyond Collision-Avoidance via Latent-Space Reachability Analysis.**
K. Nakamura, L. Peters, A. Bajcsy.
Robotics: Science and Systems (RSS), 2025.
 - [C26] **From Foresight to Forethought:
VLM-In-the-Loop Policy Steering via Latent Alignment.**
Y. Wu, R. Tian, G. Swamy, A. Bajcsy.
Robotics: Science and Systems (RSS), 2025.
(Outstanding paper award at ICLR 2025 Workshop on World Models)
 - [C25] **Updating Robot Safety Representations Online from Natural Language Feedback.**
L. Santos*, Z. Li*, L. Peters, S. Bansal†, A. Bajcsy†.
International Conference on Robotics and Automation (ICRA), 2025.
 - [C24] **Robots that Learn to Safely Influence via Prediction-Informed Reach-Avoid Dynamic Games.**
R. Pandya, C. Liu, A. Bajcsy.
International Conference on Robotics and Automation (ICRA), 2025.
 - [C23] **Conformalized Interactive Imitation Learning:
Handling Expert Shift & Intermittent Feedback.**
M. Zhao, R. Simmons, H. Admoni, A. Ramdas*, A. Bajcsy*.
International Conference on Learning Representations (ICLR), 2025.
 - [C22] **Agent-to-Sim: Learning Interactive Behavior Models from Casual Longitudinal Videos.**
G. Yang, A. Bajcsy, S. Saito*, A. Kanazawa*.
International Conference on Learning Representations (ICLR), 2025.
 - [C21] **Not All Errors Are Made Equal: A Regret Metric for Detecting System-Level Trajectory Prediction Failures.**
K. Nakamura, R. Tian, A. Bajcsy.
Conference on Robot Learning (CoRL), 2024.

- [C20] **Adaptive Human Trajectory Prediction via Latent Corridors.**
 N. Thakkar, K. Mangalam, A. Bajcsy, J. Malik
European Conference on Computer Vision (ECCV), 2024.
- [C19] **Conformalized Teleoperation: Confidently Mapping Human Inputs to High-Dimensional Robot Actions.**
 M. Zhao, R. Simmons, H. Admoni, A. Bajcsy.
Robotics: Science & Systems (RSS), 2024.
- [C18] **Conformal Decision Theory: Safe Autonomous Decisions Without Distributions.**
 J. Lekeufack*, A.N. Angelopoulos*, A. Bajcsy*, M.I. Jordan, J. Malik.
International Conference on Robotics and Automation (ICRA), 2024.
- [C17] **Learning Vision-Based Pursuit-Evasion Robot Policies.**
A. Bajcsy*, A. Loquercio*, A. Kumar, J. Malik.
International Conference on Robotics and Automation (ICRA), 2024.
- [C16] **What Matters to You? Towards Visual Representation Alignment for Robot Learning.**
 R. Tian, C. Xu, M. Tomizuka, J. Malik, A. Bajcsy.
International Conference on Learning Representations (ICLR), 2024.
- [C15] **Deception Game: Closing the Safety-Learning Loop in Interactive Robot Autonomy.**
 H. Hu*, Z. Zhang*, K. Nakamura, A. Bajcsy, J.F. Fisac.
Conference on Robot Learning (CoRL), 2023.
- [C14] **Towards Modeling and Influencing the Dynamics of Human Learning.**
 R. Tian, M. Tomizuka, A.D. Dragan, A. Bajcsy.
International Conference on Human-Robot Interaction (HRI), 2023.
- [C13] **Towards Robots that Influence Humans over Long-Term Interaction.**
 S. Sagheb, Y. Mun, N. Ahmadian, B.A. Christie, A. Bajcsy, K. Driggs-Campbell, D.P. Losey.
International Conference on Robotics and Automation (ICRA), 2023.
- [C12] **Safety Assurances for Human-Robot Interaction via Confidence-aware Game-theoretic Human Models.**
 R. Tian*, L. Sun*, A. Bajcsy*, M. Tomizuka, A.D. Dragan.
International Conference on Robotics and Automation (ICRA), 2022.
- [C11] **Analyzing Human Models that Adapt Online.**
A. Bajcsy, A. Siththaranjan, C.J. Tomlin, A.D. Dragan.
International Conference on Robotics and Automation (ICRA), 2021.
- [C10] **A Hamilton-Jacobi Reachability-Based Framework for Predicting and Analyzing Human Motion for Safe Planning.**
 S. Bansal*, A. Bajcsy*, E. Ratner*, A.D. Dragan, C.J. Tomlin.
International Conference on Robotics and Automation (ICRA), 2020.
- [C9] **An Efficient Reachability-Based Framework for Provably Safe Autonomous Navigation in Unknown Environments.**
A. Bajcsy*, S. Bansal*, E. Bronstein, V. Tolani, C.J. Tomlin.
Conference on Decision and Control (CDC), 2019.

- [C8] A Scalable Framework For Real-Time Multi-Robot, Multi-Human Collision Avoidance.**
A. Bajcsy*, S.L. Herbert*, D. Fridovich-Keil, J.F. Fisac, S. Deglurkar, A.D. Dragan, C.J. Tomlin.
International Conference on Robotics and Automation (ICRA), 2019.
- [C7] Learning Under Misspecified Objective Spaces.**
A. Bobu, A. Bajcsy, J.F. Fisac, A.D. Dragan.
Conference on Robot Learning (CoRL), 2018.
(invited to special issue)
- [C6] Probabilistically Safe Robot Planning with Confidence-Based Human Predictions.**
J.F. Fisac*, A. Bajcsy, S.L. Herbert, D. Fridovich-Keil, S. Wang, C.J. Tomlin, A.D. Dragan.
Robotics: Science and Systems (RSS), 2018.
(invited to special issue)
- [C5] Learning from Physical Human Corrections, One Feature at a Time.**
A. Bajcsy, D.P. Losey, M.K. O’Malley, A.D. Dragan.
International Conference on Human-Robot Interaction (HRI), 2018.
- [C4] Learning Robot Objectives from Physical Human Robot Interaction.**
A. Bajcsy, D.P. Losey*, M.K. O’Malley, A.D. Dragan.
Conference on Robot Learning (CoRL), 2017.
(oral, acceptance rate 10%)
- [C3] A Review of Principles in Design and Usability Testing of Tactile Technology for Individuals with Visual Impairments.**
E.L. Horton, R. Renganathan, B.N. Toth, A.J. Cohen, A.V. Bajcsy, A. Bateman, M.C. Jennings, A. Khattar, R.S. Kuo, F.A. Lee, M.K. Lim, L.W. Migasiuk, A. Zhang, O.K. Zhao, M.A. Oliveira.
Assistive Technology, 2016.
- [C2] Systematic Measurement of Marginal Mark Types on Voting Ballots.**
A. Bajcsy, Y.S. Li-Baboud, M. Brady.
NIST IR 8069, 2015.
- [C1] Depicting Web Images for the Blind and Visually Impaired.**
A. Bajcsy, Y.S. Li-Baboud, M. Brady.
SPIE Newsroom, 2013.
- JOURNAL ARTICLES**
- [J9] Intent Demonstration in General-Sum Dynamic Games via Iterative Linear-Quadratic Approximations.**
J. Li, A. Siththaranjan, S. Sojoudi, C. Tomlin, A. Bajcsy.
IEEE Transactions on Control Systems Technology (TCST), 2025.
- [J8] Contingency Games for Multi-Agent Interaction.**
L. Peters, A. Bajcsy, C.Y Chiu, D. Fridovich-Keil, F. Laine, L. Ferranti, J. Alonso-Mora.
Robotics and Automation Letters (RA-L), 2024.
(Finalist for the 2024 Best Paper Award of the IEEE RAS Technical Committee on Robot Control)

- [J7] **StROL: Stabilized and Robust Online Learning from Humans.**
 S.A. Mehta, F. Meng, A. Bajcsy, D.P. Losey
Robotics and Automation Letters (RA-L), 2024.
- [J6] **Physical Interaction as Communication: Learning Robot Objectives Online from Human Corrections.**
 D.P. Losey, A. Bajcsy, M.K. O’Malley, A.D. Dragan.
International Journal of Robotics Research (IJRR), 2021.
- [J5] **Efficient Dynamics Estimation with Adaptive Model Sets.**
 E. Ratner, A. Bajcsy, C.J. Tomlin, A.D. Dragan.
IEEE Robotics and Automation Letters (RA-L), 2021.
- [J4] **A Robust Control Framework for Human Motion Prediction.**
A. Bajcsy, S. Bansal, E. Ratner, C.J. Tomlin, A.D. Dragan.
IEEE Robotics and Automation Letters (RA-L), 2020.
- [J3] **Quantifying Hypothesis Space Misspecification in Learning from Human-Robot Demonstrations and Physical Corrections.**
 A. Bobu, A. Bajcsy, J.F. Fisac, S. Deglurkar, A.D. Dragan.
IEEE Transactions on Robotics (T-RO), 2020.
(Honorable Mention for the 2020 IEEE T-RO Best Paper Award)
- [J2] **Confidence-Aware Motion Prediction for Real-Time Collision Avoidance.**
 D. Fridovich-Keil*, A. Bajcsy*, J.F. Fisac, S.L. Herbert, S. Wang, A.D. Dragan, C.J. Tomlin.
International Journal of Robotics Research (IJRR), 2019.
- [J1] **A User-Centered Design and Analysis of an Electrostatic Haptic Touchscreen System for Students with Visual Impairments.**
 A. Bateman, O. Zhao, A. Bajcsy, M. Jennings, B. Toth, A. Cohen, E. Horton, A. Khattar, R. Kuo, F. Lee, M.K. Lim, L. Migasiuk, R. Renganathan, A. Zhang, M.A. Oliveira.
International Journal of Human-Computer Studies, 2017.

TEACHING	Embodied AI Safety <i>Instructor</i> , Carnegie Mellon University.	Spring 2025
	Human–Robot Interaction <i>Instructor</i> , Carnegie Mellon University.	Fall 2024, Fall 2025
	Models & Algorithms for Interactive Robotics <i>Instructor</i> , Carnegie Mellon University.	Spring 2024
	Intro to Artificial Intelligence <i>Teaching Assistant</i> , UC Berkeley.	Fall 2020
	Linear Systems Theory <i>Teaching Assistant</i> , UC Berkeley.	Fall 2019

Scaling Robot Safety	2025
RSS Workshop: Out-of-Distribution in Robotics Controlling Away from OOD Failures	2025
RSS Workshop: Evaluating Robots for the Real World. What Can Robot Safety Learn from LLM Safety?	2025
ICRA Workshop: Robot safety under “intangible” specifications. Towards Open World Robot Safety	2025
ICRA Workshop: Human-Centered Robot Learning in the Era of Big Data and Large Models. What Can Robot Safety Learn from LLM Safety?	2025
ICRA Workshop: Long Term Human Motion Prediction. System-level Failures in Human Trajectory Prediction	2025
Stanford Robotics Seminar. Towards Open World Robot Safety	2025
UC Berkeley CITRIS Autonomy Series. —“”—	2025
Toyota Research Institute (TRI): Deep Dive. —“”—	2025
Cornell Robotics Seminar. —“”—	2025
Princeton Robotics Seminar. —“”—	2024
Keynote: Brazilian Symposium on Robotics. —“”—	2024
CoRL Workshop: CoRoboLearn. Towards Human–AI Safety: Unifying Gen. AI & Control Systems Safety	2024
RSS Workshop: Semantics for Robotics. —“”—	2024
RSS Workshop: Generative Modeling Meets HRI. —“”—	2024
RSS Workshop: Safety & Normative Behaviors in HRI. —“”—	2024
University of Utah, Robotics Seminar. Towards Human–AI Safety	2024
Google, Deepmind. —“”—	2024
Nuro, Mountain View. Practical Safety Assurances for Dynamic Human-Robot Interactions	2022
ICML Workshop: Safe Learning for Autonomous Driving. —“”—	2022
University of Illinois Champaign-Urbana, Robotics Seminar. Bridging Safety and Learning in Human-Robot Interaction	2023
University of Wisconsin-Madison, Robotics Seminar. —“”—	2023
Carnegie Mellon University, Department Seminar. —“”—	2022
Northwestern University, Department Seminar. —“”—	2022
Brown University, Department Seminar. —“”—	2022

	Georgia Tech, Department Seminar. —“”—	2022
	University of Washington, Department Seminar. —“”—	2022
	University of Pennsylvania, Department Seminar. —“”—	2022
	Harvard University, Department Seminar. —“”—	2022
	MIT, Department Seminar. —“”—	2022
	UC Santa Barbara, Department Seminar. —“”—	2022
	University of Michigan, Department Seminar. —“”—	2022
	Cornell, Department Seminar. —“”—	2022
	UC Los Angeles, Department Seminar. —“”—	2022
	Caltech, Department Seminar. —“”—	2022
	Berkeley Seminar on Multi-Agent Reinforcement Learning Seminar. —“”—	2022
	University of Washington, Robotics Colloquium. —“”—	2021
	Stanford University, Robotics Seminar. Introspective Human Motion Prediction for Safe Robot Autonomy	2020
	ETH Zurich, Autonomy Talks. —“”—	2020
	University of Chicago Laboratory School, Innovative Robotics Symposium. Safe Robots Which Learn From (and About) Humans	2020
	Berkeley DeepDrive. A Robust Control Framework for Human Motion Prediction	2020
	Northwestern University, Robotics Seminar. Confidence-Aware Motion Prediction for Real-time Collision Avoidance	2019
	National Institute of Standards and Technology. —“”—	2019
	ICRA Workshop: Long-Term Human Motion Prediction. —“”—	2019
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ADVISING	Current Ph.D. Students	
	Hyun Joe Jeong	2025 - <i>present</i>
	Junwon Seo	2024 - <i>present</i>
	Yilin Wu	2024 - <i>present</i>
	Kensuke Nakamura	2023 - <i>present</i>
	Ravi Pandya (co-advised with Changliu Liu)	2023 - <i>present</i>
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	Current Masters Students	
	Rosy Chen (MSCS)	2024 - <i>present</i>
	Tiffany Han (MSR, co-advised with Zeynep Temel)	2025 - <i>present</i>
	Surgan Jandial (MSR, co-advised with Fernando De la Torre)	2024 - <i>present</i>

Current Undergraduate Students

Matthew Kim	2025 - present
Sunny Agarwal	2025 - present
Jessie Yuan	2025 - present
Eric Hu	2025 - present

Past Ph.D. Students

Ran Tian (co-advised with Masayoshi Tomizuka)	2022 - 2025
Thesis: <i>Towards Safe & Aligned Embodied AI in the Era of Robotics Foundation Models</i>	

Past Masters Students

Evolone Layne (→ PhD University of Washington)	2024-2025
Vibhakar Mohta (→ ML Engineer at Plus)	2023-2024
Dylan Goetting (→ Skild.ai)	2023
Charles Tang (→ Software engineer at Mosaic ML)	2020

Past Undergraduate Students

Hyun Joe Jeong (→ PhD at CMU)	2024 - 2025
Leonardo Santos (→ PhD at KTH)	2024 - 2025
Abigail Defranco (→ MSR at CMU)	2024 - 2025
Zirui Li	2024
Regina Wang (→ MS at Stanford)	2022
Anand Siththaranjan (→ PhD at Berkeley)	2021
Sampada Deglurkar (→ PhD at Berkeley)	2020
Eli Bronstein (→ PhD at Berkeley)	2019

PHD THESIS COMMITTEES

Tiago Almeida (Örebro University, Sweden)	Achim J. Lilienthal, 2025
Saumya Saxena (CMU RI)	Oliver Kroemer, 2025
Ingrid Navarro (CMU RI)	Jean Oh, 2025
Rebecca Martin (CMU RI)	Sebastian Scherer, 2025
Neerja Thakkar (UC Berkeley EECS)	Jitendra Malik, 2024
Shaunak Mehta (Virginia Tech ME)	Dylan Losey, 2024
Jay Patrikar (CMU RI)	Sebastian Scherer, 2024
Michelle Zhao (CMU RI)	Henny Admoni & Reid Simmons, 2024
Tianhao Wei (CMU RI)	Changliu Liu, 2024
Yiwei Lyu (CMU ECE)	John Dolan, 2024
Benjamin Newman (CMU RI)	Henny Admoni & Kris Kitani, 2023
Ananya Rao (CMU RI)	David Wettergreen & Howie Choset, 2023
Katherine Shih (CMU RI)	Aaron Steinfeld, 2023

PHD QUALIFER COMMITTEES	Andrew Jong (CMU RI)	Sebastian Scherer, 2025
	Arthur Bucker (CMU RI)	Jean Oh, 2025
	Yuyao Shi (CMU RI)	Jessica Hodgins, 2025
	Itamar Mishani (CMU RI)	Maxim Lichachev, 2025
MSR THESIS COMMITTEES	Yishu Li (CMU RI)	Dave Held, 2025
	Pranay Gupta (CMU RI)	Henny Admoni & Dave Held, 2024
	Zhanyi Sun (CMU RI)	Zackory Erickson & Dave Held, 2024
	Weihao Zeng (CMU RI)	Katia Sycara, 2024
OUTREACH	CMU Robotics Institute Pathways Fellowship (mentor)	2024 - 2025
	Immersive program crafted to empower entrepreneurs within the domains of robotics, manufacturing, and automation.	
	Robotics Institute Summer Scholars (RISS) (mentor)	2024, 2025
	Mentored undergraduates from around the world in summer research.	
	Inclusion@RSS, Pathways@RSS (mentor, speaker)	2024, 2025
	Early career graduate students who belong to traditionally underrepresented groups in robotics.	
	SCS Female Professor Breakfast (mentor)	2023 - 2024
	Mentored undergraduate women in the school of computer science.	
	AI Scholars (invited talk)	2024
	Residential summer program for high-schoolers who have been historically excluded and/or under-resourced in STEM, both in academia and industry.	
	ML@Berkeley (invited talk)	2021
	Spoke to undergraduate club focused on machine learning and its applications.	
	creAlivity (invited talk)	2021
	Taught students interested in AI about safe robot interaction.	
PROFESSIONAL ACTIVITIES	Tranfer-To-Excellence REU (mentoring and invited talks)	2021 - 2022
	Competitive summer internship for California community college students.	
	AI4ALL (mentor and speaker)	2020 - 2022
	Program for current 9th and 10th grade students from underrepresented communities in the Bay Area to learn about computing and AI.	
	Girls in Engineering Camp (instructor)	2018 - 2019
	Taught at a week-long summer camp for middle school students who learn about engineering.	
	Associate Editor (AE) / Area Chair (AC) / Program Committee (PC)	
	CoRL: Conference on Robot Learning (AC)	2025
	L4DC: Learning for Dynamics & Control Conference (PC)	2023, 2025

ICLR: International Conference on Learning Representations (AC)	2024
IROS: International Conference on Intelligent Robots and Systems (AE)	2024
ICRA: International Conference on Robotics and Automation (AE)	2023

Organizing Committee

RSS: Robotics: Science and Systems (Presentation Chair)	2023
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External Reviewer

Conferences

CoRL: Conference on Robot Learning
RSS: Robotics: Science and Systems
IROS: International Conference on Intelligent Robots and Systems
ICRA: International Conference on Robotics and Automation
HRI: Human-Robot Interaction
ICCPS: International Conference on Cyber-Physical Systems
ACC: American Control Conference
AAAI: Association for the Advancement of Artificial Intelligence

Journals

IJRR: International Journal of Robotics Research
RA-L: Robotics and Automation Letters
T-RO: Transactions on Robotics
AURO: Autonomous Robots
PNAS Nexus: Proceedings of the National Academy of Sciences

Career Workshops

RSS Pioneers	2025, 2024
HRI Pioneers	2025

Grants

NSF: National Science Foundation	2024
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Conference Session Chair

RSS: Robotics: Science and Systems (Control & Dynamics)	2025
ICRA: International Conference on Robotics & Automation (Safe Control 2)	2025

Workshops Organized

ICRA: Safely Leveraging Vision-Language Foundation Models in Robotics	2025
ICRA: Public Trust in Autonomy	2025
NESCW: Northeast Systems and Control Workshop	2024, 2025
ICRA: Long-term Human Motion Prediction	2021, 2022
RSS: Robotics for People	2021
Robotics: Science and Systems (RSS) Pioneers	2021
RSS: 2nd Workshop on Robust Autonomy	2020
RSS: Safe Robot Learning and Control in Real-World Environments	2019

Department & School Service

Robotics Institute Seminar Organizer	Fall 2024 - present
Robotics Institute Faculty Hiring Committee	2025
ACM/SCS Dissertation Award Committee	2024
Women@SCS Faculty Breakfast Mentor	2024
SCS Junior Faculty Orientation Panel	2024
SCS Faculty Job Market Panel	2023

**PRESS &
MEDIA**

CMU News “ <i>The NSF CAREER Awardees Supercharging STEM</i> ”	2025
NBC News “ <i>Robots at UC Berkeley Take a Step Forward</i> ”	2018
WIRED “ <i>How to Interact With Robots Without Embarrassing Yourself</i> ”	2018
Robohub “ <i>Learning Robot Objectives from Physical Human Interaction</i> ”	2018