

Board # (Day 2: 10:45-12:30pm, 04/30)	Presenter	PI	Affiliation	Poster Title	Award Number	
1	Andreas Malikopoulos	Andreas Malikopoulos	Cornell University	NRI: Addressing Safe Interaction Between Autonomous and Human-driven Vehicles	NSF-2219781	
2	MINJUN KIM	MINJUN KIM	Southern Methodist University	Closed-Loop Control of Magnetic Modular Cubes for Self-Assembly	NSF-2130775 & 2130793	
3	Biyun Xie	Biyun Xie	University of Kentucky	Autonomous Fault-Tolerant Operation of Redundant Robotic Arms	NSF-2205292	
4	Zhaojian Li	Zhaojian Li	Michigan State University	NRI: INT: Soft Multi-Arm Robot (SMART) for Synergistic Collaborations with Humans	NSF-2024649	
5	Peng Wang	Yuming Zhang	University of Kentucky	NRI: FND: Intelligent Co-robots for Complex Welding Manufacturing through Learning and Generalization of Welders Capabilities	NSF-2024614	
6	Changhuang Wan	Changhuang Wan	Tuskegee University	Collaborative Research: A Solar-Powered Aerial Transformer for Enhanced Mobility and Endurance	NSF-2334994 & 2334995	
7	Idris Jeelani	Masoud Gheisari	University of Florida	NRI: FND: Investigating the Safety Challenges of Co-drones in Future Construction Workplaces	NSF-2024656	
8	Brittany Duncan	Brittany Duncan	University of Nebraska	NRI: INT: Leveraging Environmental Monitoring UAS in Rainforests	NSF-1925368	
9	Ryan Jenkins	Ryan Jenkins	Cal Poly, San Luis Obispo	NRI: Food Is Fundamental: The Profound Ethical and Social Impacts of Robot Kitchens	NSF-2220888	
10	Ralph Hollis	Oliver Kroemer	Carnegie Mellon University	NRI: INT: Agile and Dynamic Interactions for Mobile Manipulation	NSF-1925130	
11	Vesna Novak	Chao Jiang	University of Cincinnati	NRI: FND: Automated Patient-Robot Assignments in a Simulated Rehabilitation Gym	NSF-2024813	
12	Kenn Oldham	Evgueni Fillipov	University of Michigan	FRR-2054148: Origami for Dexterity in Miniature Manipulation and Testing	NSF-2054148	
13	Natasha Banerjee	Natasha Banerjee	Clarkson University	NRI: FND: Using Large Human-Human Handover Data to Inform Robotic Grasp Algorithms on Human Preferences for Human-Robot H	NSF-2023998	
14	Sze Zheng Yong	Hyunglae Lee	Northeastern University	User-Adaptive Variable Impedance Control of a Wearable Upper-Extremity Exoskeleton Robot with Safety Guarantees	NSF-1925110	
15	Mingxi Zhou	Mingxi Zhou	University of Rhode Island	NRI: Robotic Iceberg Sentinels (RISE)	NSF-2221676	
16	David Braun	David Braun	Vanderbilt University	CAREER: Mechanically Adaptive Energetically Passive Robotics	NSF-2144551	
17	Kirstin Petersen	Kirstin Petersen	Cornell University	CAREER: Environmentally-Mediated Coordination in Natural and Robot Swarms	NSF-2024211	
18	David Cappelleri	David Cappelleri	Purdue University	NRI: Mobile Microrobots for Precision Medicine	NIH-1U01TR004239-01	
19	Quan Nguyen	Quan Nguyen	University of Southern California	NRI: Decision-making Foundations for Human-supervised Legged Robot Teams	NSF-2133091	
20	Nikolay Atanasov	Nikolay Atanasov	University of California San Diego	FRR: CAREER: Active Bayesian Inference for Collaborative Robot Mapping	NSF-2045945	
21	Ye Zhao	Ye Zhao	Georgia Institute of Technology	CAREER: Interactive Decision-making and Resilient Planning for Safe Legged Locomotion and Navigation	NSF-2144309	
22	Max Shepherd	Max Shepherd	Northeastern University	Collaborative Research: Towards Task-Agnostic and Device-Agnostic Ankle Exoskeleton Control for Mobility Enhancement	NSF-2328050	
23	Jiaoyang Li	Jiaoyang Li	Carnegie Mellon University	FRR: Robust Multi-Robot Path Planning and Execution on a Large Scale	NSF-2328671	
24	Xu Xu	Xu Xu	North Carolina State University	NRI: A novel intervention method to promote workers' safety awareness and mental health during human-robot collaboration	NSF-2024688	
25	Yu Gu	Yu Gu	West Virginia University	NRI: StickBug – an Effective Co-Robot for Precision Pollination	NSF-2046562	
26	Giuseppe Loianno	Giuseppe Loianno	New York University	CAREER: Re-Thinking the Perception-Action Paradigm for Agile Autonomous Robots	NSF-2145277	
27	Bo Li	Bo Li	Villanova University	NRI: Reach to Grasp: 3D Printed Dual Mode Contact Sensor	NSF-2221102	
28	Leonardo Bobadilla	Leonardo Bobadilla	Florida International University	NSF/NRI: FND: Extending Autonomy in Seemingly Sensory-Denied Environments Applied to Underwater Robots	NSF-2024733	
29	Myunghye Kim	Myunghye Kim	University of Illinois, Chicago	NRI: INT: Customizable Lower-Limb Wearable Robot using Soft-Wearable Sensor to Assist Occupational Workers	NSF-2024863, 2024742	
30	Houtan Jebelli	Houtan Jebelli	University of Illinois Urbana-Champaign	NRI: Understanding Underlying Risks and Sociotechnical Challenges of Powered Wearable Exoskeleton to Construction Workers	NSF-2410255	
31	Beiwen Li	Beiwen Li	Iowa State University	NRI/Collaborative Research: Robotic Disassembly of High-Precision Electronics	NSF-2132923/2132773	
32	Yogesh Girdhar	Yogesh Girdhar	Woods Hole Oceanographic Institution	NRI: An Ecologically Curious Robot for Monitoring Coral Reef Biodiversity	NSF-2133029	
33	Yinpei Dai	Joyce Chai	University of Michigan	NRI: INT: Think, Act, and Ask: Open-World Interactive Personalized Robot Navigation	NSF-1949634	
34	Alan Kuntz	Alan Kuntz	University of Utah	NRI: Liquid-Solid Metal for Embodied Intelligence in Semi-Soft, Human-Collaborative Robots	NSF-2133027	
35	Stefanos Nikolaidis	Stefanos Nikolaidis	University of Southern California	NRI: INT: Collaborative Research: Buoyancy-assisted Collaborative Robots That are Cheap, Safe, and Never Fall Down.	NSF-2024940, 2024949, 2024768	
36	Stefanos Nikolaidis	Stefanos Nikolaidis	University of Southern California	NRI: FND: Improving Human-Robot Collaboration on Assembly Tasks by Anticipating Human Actions	NSF-2024936	
37	Tommaso Lenzi	Tommaso Lenzi	University of Utah	NRI: INT: COLLAB: Muscle Ultrasound Sensing for Intuitive Control of Robotic Leg Prostheses	NSF-1925371	*
38	Tommaso Lenzi	Tommaso Lenzi	University of Utah	CAREER: Bio-inspired Multi-joint Design and Control of Wearable Robots	NSF-2046287	*
39	Abdeslam Boularias	Abdeslam Boularias	Rutgers University	NRI: Robust and Efficient Physics-based Learning and Reasoning in Degraded Environments	NSF-2132972	
40	Cindy Grimm	Cindy Grimm	Oregon State University	Collaborative Research: NRI: FND: Grounded Reasoning about Robot Capabilities for Law and Policy	NSF-2024872	
41	Markus Nemitz	Markus Nemitz	Tufts University	CAREER: Additively Manufactured Soft Robots with Integrated Fluidic Logic and Flexible Electronic Interfaces	NSF-2237506	
42	Tapomayukh Bhattacharya	Tapomayukh Bhattacharjee	Cornell University	CAREER: Not all Collisions are Bad: Leveraging Physical Interactions Towards User-empowered Robotic Caregiving	NSF-2238792	
43	Joe Schimmels	Joe Schimmels	Marquette University	NRI: FDN: Dexterous Manipulation Using Multi-Serial Manipulator Systems with Real-Time Compliance Modulation	NSF-2024554	
44	Panagiotis Tsiotras	Panagiotis Tsiotras	Georgia Institute of Technology	AstroSLAM - A Robust and Reliable Visual Localization and Pose Estimation Architecture for Space Robots in Orbit	NSF-2101250	
45	Long Wang	Long Wang	Stevens Institute of Technology	ERI: Tool Grasping Compliance and Stability of Underactuated Hands in Model-Mediated Telemanipulation	NSF-2138896	
46	Monroe Kennedy	Monroe Kennedy	Stanford University	CAREER: Soft Robotic Fingertips with High-Resolution, Calibrated Shape and Force Sensing for Dexterous Manipulation	NSF-2142773	
47	Souma Chowdhury	Eleonora Botta	University at Buffalo	Modeling, Design and Operation of Robotic Tether-Net Systems for Reliable Capture of Targets	NSF-2128578	
48	Boyi Hu	Boyi Hu	University of Florida	Collaborative Research: NRI: Reducing Falling Risk in Robot-Assisted Retail Environments	NSF-2132936, 2132937	
49	Victoria Webster-Wood	Victoria Webster-Wood	Carnegie Mellon University	CAREER: Adaptive Actuation and Control in Embodied Biohybrid Robots	NSF-2044785	
50	Taylor Kessler Faulk	Siddhartha Srinivasa	University of Washington	Collaborative Research: NRI: Robot-Assisted Feeding: Towards Efficient, Safe, and Personalized Caregiving Robots	NSF-2132846	
51	Naomi Fitter	Naomi Fitter	Oregon State University	NRI: Robot-Assisted Longitudinal Physical and Cognitive Exercise Interventions for Older Veterans	NIH-R01AG078124-01	
52	Dongyi Wang	Dongyi Wang	University of Arkansas	Multimodal sensors guided robotic chicken grasping and rehanging for integrated and autonomous poultry processing	USDA-NIFA: 2023-67022-39074, 2023-67022	
53	Dongming Gan	Dongming Gan	Purdue University	Discrete Variable Stiffness Actuators with Fast Stiffness Switch for Safe Human-Robot Interaction	NSF-2131711	
54	Ajay Sharda	Ajay Sharda	Kansas State University	Autonomous Sense Manage and Identify Platform for Pest Management	USDA-NIFA-1830574	
55	Pratik Chaudhari	Pratik Chaudhari	University of Pennsylvania	NRI: Robotics, Science and Technology for Forestry	USDA/NIFA 584401	
56	Eric Frew	Eric Frew	University of Colorado Boulder	Collaborative Research: NRI: Dispersed Autonomy for Marsupial Aerial Robot Teams	NSF-2133141	

57	Allison Okamura	Allison Okamura	Stanford University	NRI: FND: Computational and Interactive Design of Soft Growing Robot Manipulators	NSF-2024247	
58	Michael Posa	Michael Posa	University of Pennsylvania	Manipulation of Novel Objects via Non-Smooth Implicit Learning	NSF-2238480	
59	Frank Sup	Frank Sup	University of Massachusetts Amherst	NRI: FND: Natural Power Transmission through Unconstrained Fluids for Robotic Manipulation	NSF-2024409	
60	Momotaz Begum	Momotaz Begum	University of New Hampshire	Robust Learning of Sequential Motion from Human Demonstrations to Enable Robot-guided Exercise Training	NSF-1830597	
61	Nancey Green Leigh	Nancey Green Leigh	Georgia Institute of Technology	Barriers and Solutions for Small and Medium Sized	NSF-2024706	
62	Sanjiban Choudhury	Sanjiban Choudhury	Cornell University	Inverse Task Planning from Few-Shot Vision-Language Demonstrations	NSF- 2327973	
63	Matthew Elwin	J. Edward Colgate	Northwestern University	Collaborative Research: NRI: Shape-Based Remote Manipulation	NSF-2221570, 2221571	
64	Howie Choset	Howie Choset	Carnegie Mellon University	Search-Based Multi-Agent Multi-Objective Multi-Target Path Planning	NSF-2120529, 2120219	
65	Jivko Sinapov	Jivko Sinapov	Tufts University	CAREER: Learning and Sharing Transferable Grounded Object Knowledge for Collaborative Robots	NSF-2239764	
66	Marc Miskin	Marc Miskin	UPenn	NRI: Electronically Integrated Microscopic Robot Swarms	NSF-2221576	
67	Nima Fazeli	Nima Fazeli	University of Michigan	NRI: Integrating Perception and Manipulation of Deformable Objects by Learning Implicit Representations	NSF-2220876	
68	Youngjib Ham	Youngjib Ham	Texas A&M University	NRI: Human-Robot Interface for Extraterrestrial Construction	NSF-2221436	
69	Shashwata Mandal	Shashwata Mandal	Iowa State University	From Distributed Coverage to Multi-agent Target Tracking		
70	John-Paul Ore	John-Paul Ore	North Carolina State University	NRI: INT: Development of a Customizable Fleet of Autonomous Co-Robots for Advancing Aquaculture Production	USDA 2021-67021-33451	
71	Yue Chen	Yue Chen	Georgia Institute of Technology	NRI: Perception-Aware Soft Robot Manipulation and Bipedal Locomotion for Fresh Market Caneberry Harvesting	USDA-2023-67021-41397	
72	Andre Mazzoleni	Andre Mazzoleni	North Carolina State University	Multi-terrain Amphibious ARCTic explOrer (MAARCO)	NSF-2116216	
73	Alberto Quattrini Li	Alberto Quattrini Li	Dartmouth College	Collaborative Research: NRI: INT: Cooperative Underwater Structure Inspection and Mapping	NSF-2024541	
74	Igor Paprotny	Igor Paprotny	University of Illinois at Chicago	Herding Microrobots: Scalable Parallel Control of MEMS Robotic Swarms	NSF-1762924, 1620282	
75	Alireza Ramezani	Alireza Ramezani	Northeastern University	Design, Flight Control, and Autonomous Navigation of Bioinspired Morphing Micro Aerial Vehicles for Operation in Confined Spaces	NSF-2142519	
76	Andy Ricci	Malte Jung, Francois Guimbretiere	Cornell University	Telepresence Robots for Remote Collaboration: Gesture and Identity Expression	NSF-1925100	
77	Ann Majewicz Fey	Ann Majewicz Fey	UT Austin	NRI: FND: Customizable Haptic Co-Robots For Training Emergency Surgical Procedures	NSF-2102250	
78	Matthew Travers	Matthew Travers	Carnegie Mellon University	NRI: INT: Self-Assembly of Modular Robots constructed using DNA	NSF-2132886	
79	Tristan Maidment	Erin Walker	University of Pittsburgh	Designing Effective Behaviors in a Social Robot that Supports Collaborative Learning in Middle School Mathematics	NSF-2024645	
A-#: Aspiring PI Posters						
A-1	Zhen Ni		Florida Atlantic University	Deep Reinforcement Learning for Adaptive Systems: A Parallelized-Agent Approach		
A-2	Junyi Geng		Pennsylvania State University	Robust Aerial Manipulation via Physics-infused Joint Perception and Control Optimization		
A-3	Karthik Desingh		University of Minnesota	Perceiving – Objects, Parts, Geometries, Contacts – for Dual-arm Assembly Learning		
A-4	Xu Chen		University of Washington	Robotic Defect Inspection of Complex Critical Materials		
A-5	Brian Taylor		Case Western Reserve University	Animal magnetoreception as a means of satellite-free autonomous navigation		
A-6	Yunzhu Li		University of Illinois Urbana-Champaign	RoboEXP: Action-Conditioned Scene Graph via Interactive Exploration for Robotic Manipulation		
A-7	Zejian Zhou		University of Wyoming	Decentralized Decision-making for Large-scale Multi-robot Team		
A-8	Yu She		Purdue University	VisTac: Towards a Unified Multi-Modal Sensing Finger for Robotic Manipulation		
A-9	Tariq Iqbal		University of Virginia	Enabling Close-Proximity Human-Robot Collaboration Through Multi-human Motion Prediction		
A-10	Karen Leung		University of Washington	Learning Autonomous Vehicle Safety Concepts from Demonstrations: Towards "Data-Driven Safety" for Human-Robot Interactions		
A-11	Debdipta Goswami		The Ohio State University	Cooperative Multi-UAV Mission Planning for Task and Endurance		
A-12	Xiaoguang Dong		Vanderbilt University	Intelligent Mobile Miniature Soft Robots for Sensing Physiological Properties of Biological Tissues		
A-13	Chen Wang		University at Buffalo	Logic- and Physics-aware Neural-symbolic Learning for Robot Navigation		
A-14	Katie Skinner		University of Michigan	Machine Learning for Automated Detection of Shipwreck Sites from Large Area Robotic Surveys		
A-15	Sabur Baidya		University of Louisville	Neuro-Adaptive Dynamic Control for Collaborative Digital Twin of Reconfigurable Hybrid-Manipulators		
A-16	Xianlian Zhou		New Jersey Institute of Technology	Optimizing Exoskeleton Through Virtual Human-in-the-loop Optimization and Learning in Simulation		
A-17	Nelson Rosa		Illinois Institute of Technology	Planning and Control for Biped Robots Using A Lot of Gaits		
A-19	Rui Liu		Kent State University	Reactive Multi-Robot Navigation in Unstructured Environment Through Uncertainty-Aware Active Learning of Human Preference Landscape		
A-20	Tae Myung Huh		University of California, Santa Cruz	Deformation-aware Grasp Wrench Analysis on Soft Gripper		
A-21	Nathan Usevitch		Brigham Young University	Shape-Changing, Untethered, Inflatable Robots		
A-22	Ramviyas Nattanmai	Parasuraman	University of Georgia	Towards Emergent Behaviors in Multi-Robot Systems		
A-23	Chen Li		Johns Hopkins University	Terradynamics of animals and robots in complex terrains		