Maryland Robotics Center Research Symposium  
University of Maryland

Location: 1101 A. James Clark Hall  
Agenda, Thursday, May 25, 2023

8:45 am - 9:00 am  Opening Remarks, Derek Paley, Director of Maryland Robotics Center.

9:00 am - 10:00 am  Morning Keynote Talk, Pratik Chaudhari, University of Pennsylvania.  
A Picture of the Prediction Space of Deep Networks.

10:00 am - 10:20 am  Morning Coffee Break.

10:20 am - 11:50 am  Technical Session 1 (3 x 30 minute talks).
10:20 am  Derek Paley, University of Maryland. Hydrodynamics, Sensing & Control in Schooling Fish: From Biology to Efficient Multi-Vehicle Systems.
10:50 am  John Aloimonos, University of Maryland. Minimal cognitive systems.
11:20 am  George Kontoudis, University of Maryland. Scalable Multi-Robot Active Exploration using Decentralized Gaussian Processes.

11:50 am - 12:10 pm  Poster Spotlight Talks (20 x 1 minute talks).

12:10 pm - 1:30 pm  Lunch & Poster Session.  
Lunch will be provided for people who registered by May 17.

1:30 pm - 2:30 pm  Afternoon Keynote Talk, Spring Berman, Arizona State University.  
Move, Manipulate, Multitask, Map: Model-Based Controllers for Versatile Swarms.

2:30 pm - 3:30 pm  Technical Session 2 (2 x 30 min talks)
2:30 pm  Jeffrey Herrmann, University of Maryland. Metareasoning Engineering: Developing, Implementing, and Testing Metareasoning.
3:00 pm  Bassam Alrifaee, University of Delaware, & RWTH Aachen University. Multi-Agent Decision-Making for Cyber-Physical Mobility Systems.

3:30 pm - 3:50 pm  Afternoon Coffee Break.

3:50 pm - 4:30 pm  Technical Session 3 (2 x 20 min talks).
3:50 pm  Xincheng Li, University of Maryland. Geometry and Control for Human-Robot Interaction.
4:10 pm  John Schmidt, University of Maryland. Obstacle Avoidance on a Variable-Sweep Wing UAV.

4:30 pm - 4:45 pm  Presentation of Best Poster Awards, Program Committee.

4:45 pm - 5:00 pm  Closing Remarks, Michael Otte, MRC Symposium General Chair.

5:00 pm - 6:00 pm  MRC Robotics and Autonomy Lab Open House. 3119 IDEA Factory.