

Maryland Robotics Center Research Symposium
University of Maryland

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

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| 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.
<i>A Picture of the Prediction Space of Deep Networks.</i> |
| 10:00 am - 10:20 am | Morning Coffee Break. |
| 10:20 am - 11:50 am
10:20 am
10:50 am
11:20 am | Technical Session 1 (3 x 30 minute talks).
Derek Paley, University of Maryland. <i>Hydrodynamics, Sensing & Control in Schooling Fish: From Biology to Efficient Multi-Vehicle Systems.</i>
John Aloimonos, University of Maryland. <i>Minimal cognitive systems.</i>
George Kontoudis, University of Maryland. <i>Scalable Multi-Robot Active Exploration using Decentralized Gaussian Processes.</i> |
| 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.
<i>Move, Manipulate, Multitask, Map: Model-Based Controllers for Versatile Swarms.</i> |
| 2:30 pm - 3:30 pm
2:30 pm
3:00 pm | Technical Session 2 (2 x 30 min talks)
Jeffrey Herrmann, University of Maryland. <i>Metareasoning Engineering: Developing, Implementing, and Testing Metareasoning.</i>
Bassam Alrifaae, University of Delaware, & RWTH Aachen University. <i>Multi-Agent Decision-Making for Cyber-Physical Mobility Systems.</i> |
| 3:30 pm - 3:50 pm | Afternoon Coffee Break. |
| 3:50 pm - 4:30 pm
3:50 pm
4:10 pm | Technical Session 3 (2 x 20 min talks).
Xincheng Li, University of Maryland. <i>Geometry and Control for Human-Robot Interaction.</i>
John Schmidt, University of Maryland. <i>Obstacle Avoidance on a Variable-Sweep Wing UAV.</i> |
| 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. |