

Maryland Robotics Center Research Symposium
University of Maryland

Location: 1101 A. James Clark Hall
Agenda, Thursday, May 23, 2024

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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 , Michael Dickey, Camille and Henry Dreyfus Professor, NC State University. <i>Liquid Metals for Soft Robotics</i> . |
| 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 | Furong Huang, Assistant Professor, University of Maryland. <i>Foundation Model for Robotics</i> . |
| 10:50 am | Ryan Sochol, Associate Professor, University of Maryland. <i>Alternative 3D Printing Strategies for Soft Robots</i> . |
| 11:20 am | Sunandita Sarker, Postdoc Research Associate, University of Maryland. <i>3D-Microprinted Soft-Robotic Biopsy Tool via Direct Laser Writing</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 10, 2024. |
| 1:30 pm - 2:30 pm | Afternoon Keynote Talk , Nathan Lazarus, Associate Professor, University of Delaware. <i>Creating Soft and Stretchable Electromagnetic Devices for Soft Robotics</i> . |
| 2:30 pm - 3:30 pm | Technical Session 2 (2 x 30 min talks) |
| 2:30 pm | John Aloimonos, Professor, University of Maryland. <i>Microsaccade-inspired Event Camera for Robotics</i> . |
| 3:00 pm | Shraddha Barawkar, Postdoc Research Associate, University of Maryland. <i>Reinforcement Learning Driven Cooperative Ball Balance in Rigidly Coupled Drones</i> . |
| 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 | Kieran James Barvenik, Clark Doctoral Fellow, University of Maryland. <i>Tactile Sensing and Grasping through Thin-Shell Buckling</i> . |
| 4:10 pm | Yantian Zha, Postdoc Research Associate, University of Maryland. <i>Perceiving, Acting, Planning, And Self-Explaining: A Cognitive Quartet for Future Manufacturing</i> . |
| 4:30 pm - 4:45 pm | Presentation of Best Poster Awards , Program Committee. |

4:45 pm - 5:00 pm

Closing Remarks, Po-Yen Chen, MRC Symposium General Chair.

5:00 pm - 6:00 pm

MRC Robotics and Autonomy Lab Open House. 3119 IDEA Factory.