

Multi-Robot Mini-Symposium

Date: March 14th 2.55-4.10pm

2.55-3.00pm: Intro by Kirstin Petersen

3.00-3.07pm: “Enabling Support of Robot Swarms” by Ryan O’Hern, CEI-Lab

3.07-3.14pm: “Swarms of Robotic Sailboats for environmental Sea Monitoring”, Andy Ruina, Biorobotics and Locomotions Lab

3.14-3.21pm: “Automated synthesis of reactive controllers for swarm robotic systems”, Salar Moarref, ASL

3.21-3.28: “Safety Certificates for High-level Control of Swarm Robots Using Control Barrier Function”, Ji Chen, ASL

3.28-3.35: “Design and Coordination of Flexible Modular Robots”, Nialah Wilson, CEI-Lab

3.35-3.42: “The effect of a minimal social robots on conversational patterns in 3 person group problem solving activities”, Hamish Tennent, Robots in Groups lab

3.42-3.49: “Design and Applications of Centimeter-Scale Spacecraft”, Hunter Van Adams, SSDS-Lab

3.49-3.56: “Leveraging Honey Bees as Bio-Cyber Physical Systems”, Haron Abdel-Raziq, CEI-Lab

3.56-4.03: “Integrated Mapping and Path Planning for Very Large-Scale Robotic (VLSR) Systems”, Julian Morelli, LISC

4.03-4.10: “Capability Modeling for Task and Motion Planning in Ad Hoc Multi-Robot Teams”, Wil Thomason, RPAL