ARMS 2017 Program

Morning Session: 09:00-11:00

09:00-09:20 Opening

09:20-09:40 Maximilian Hüttenrauch, Adrian Šošić and Gerhard Neumann. **Guided Deep Reinforcement Learning for Swarm Systems.**

09:40-10:00 Vignesh Prasad, Rishabh Jangir, K Madhava Krishna and Balaraman Ravindran. **Data driven strategies for Active monocular SLAM using Inverse Reinforcement Learning.**

10:00-10:20 Gregor H.W. Gebhardt, Kevin Daun, Marius Schnaubelt, Alexander Hendrich, Daniel Kauth and Gerhard Neumann. **Learning to Assemble Objects with Robot Swarms.**

10:20-10:40 Katie Genter and Peter Stone. **Agent Behaviors for Joining and Leaving a Flock.**

10:40-11:00 Niv Rafaeli and Gal Kaminka. **Active Perception at the Architecture Level: A Preliminary Report**

11:00-11:30 Coffee break

Noon Session: 11:30-13:00

11:30-12:30 Invited Talk: Maria Gini

*Decentralized Allocation of Tasks with Temporal and Precedence Constraints to a Team of Robots*

12:30-12:50 Jon Bolin, Sandip Sen, William Macke, Jon Hoffman, Chad Crawford and Sam Beckmann. **Gesture-Based Control of Autonomous UAVs**


13:00-14:30 Lunch break
Afternoon Session: 14:30-16:30

14:30-15:30 Invited Talk: Gal A. Kaminka (title to be published)


16:30-17:00 Coffee break