OPEN HOUSE
Tue., Apr. 9 2019, 1-3pm

Demos and Presentations

**SLAM for all:**
Bring new insights into SLAM for robots in order to pave the path to fully autonomous systems.

**CoLo:**
A performance evaluation system that allows researchers to characterize cooperative localization algorithms on real-world datasets.

**ROCO:**
A Python based system designed to allow for the creation of printable robots through an easy to use web interface.

**Distributed Algorithms:**
Development and analysis of algorithms for networked sensing and state estimation across multi-robot swarms.

**Underactuated UAVs:**
Control system design of a single-motor robot flyer with the ability to communicate and ultimately form a swarm.

**Quadrcopter Swarm:**
Employ external localization to control and fly quadrcopters autonomously; designing an useful infrastructure for future research interests.

**Mechanical logic:**
Design of electromechanical mechanisms which leverage mechanical structures to generate programmed control actions.

**Design for Everyone:**
Algorithms, methods, and tools to allow end-users to leverage the knowledge of engineering experts to create validated and verifiable manufacturable designs for custom objects.

Refreshments will be provided!