



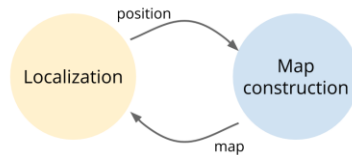
LEMUR

LABORATORY FOR
EMBEDDED MACHINES
AND UBIQUITOUS ROBOTS
1538 Boelter Hall

OPEN HOUSE

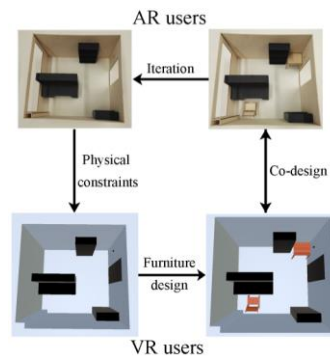
Tue., Apr. 9 2019, 1-3pm

Demos and Presentations



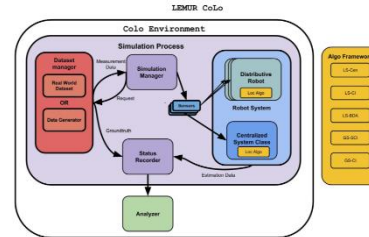
SLAM for all:

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



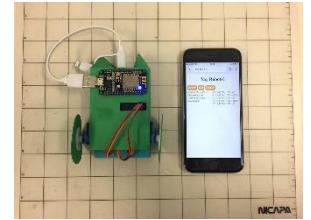
Design for Everyone:

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



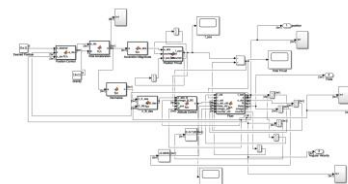
CoLo:

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



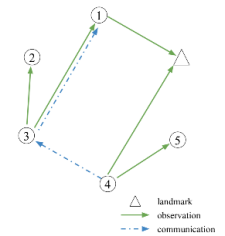
ROCCO:

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



Underactuated UAVs:

Control system design of a single-motor robot flyer with the ability to communicate and ultimately form a swarm



Distributed Algorithms:

Development and analysis of algorithms for networked sensing and state estimation across multi-robot swarms



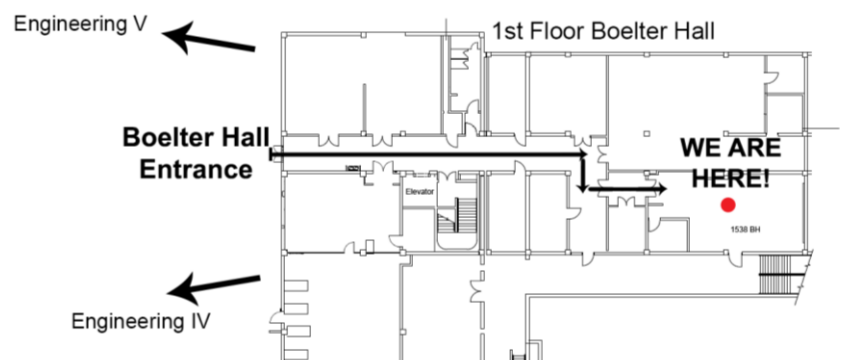
Quadcopter Swarm:

Employ external localization to control and fly quadcopters autonomously; designing an useful infrastructure for future research interests



Mechanical logic:

Design of electromechanical mechanisms which leverage mechanical structures to generate programmed control actions



Refreshments will be provided!