LEMUR

LABORATORY FOR EMBEDDED MACHINES AND UBIQUITOUS ROBOTS

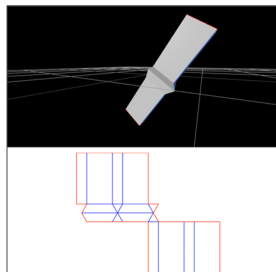## DEMOS AND PRESENTATIONS
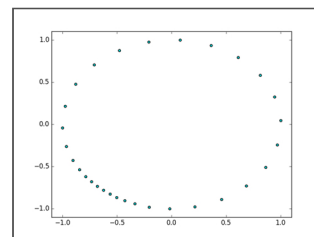
OPEN HOUSE

THURSDAY, APRIL 27
10:00-12:00
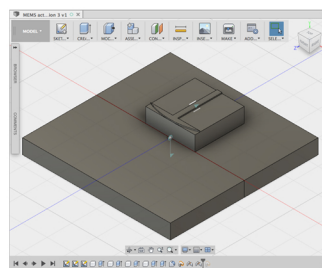**1538 BOELTER HALL**
REFRESHMENTS WILL BE PROVIDED

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


SEMI AUTONOMOUS DRIVING:
Developing mathematical models for traffic flow on highways, and designing controllers for autonomous vehicles to reduce the occurrence of traffic jams.
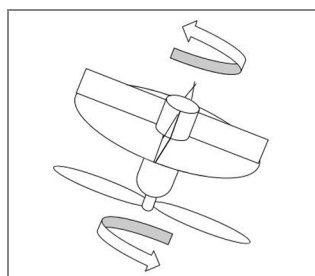

MEMS ACTUATOR RESEARCH:
An investigation into the use and configuration of Microelectromechanical systems (MEMS) in order to generate macroscopic actuation on a variety of foldable materials.
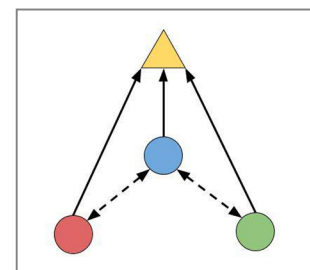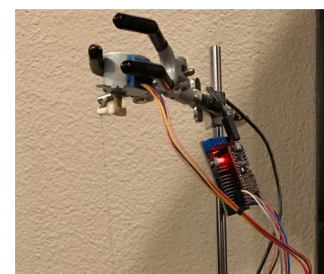

MULTI-ROBOT LOCALIZATION:
Mobile robots cooperatively localize themselves by observation and communication, to perform intelligent tasks.

FLYING ROBOT SWARM:
Design and build a single rotor robot flyer with the ability to communicate and in future, form a swarm.

SUPER-COILED POLYMER ACTUATORS::
Inexpensive and accessible, SCP actuators have superior mechanical capabilities and vast application in the field of printable robotics.

Engineering V
Construction site

1st Floor Boelter Hall

Boelter Hall Entrance

WE ARE HERE!

Elevator

1538 BH

Engineering IV