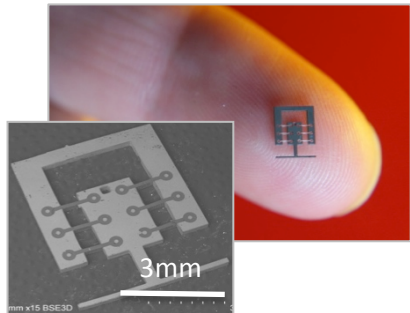


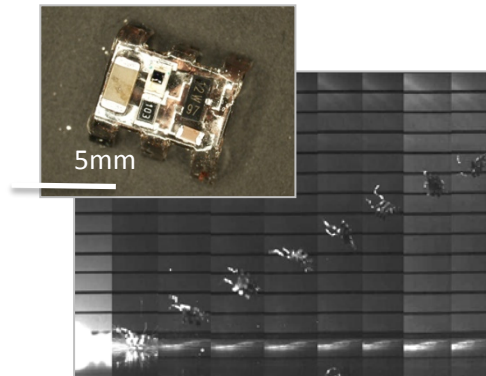
UMd Micro Robotics Lab (Bergbreiter)



Goal: Combine expertise in microfabrication with inspiration from biology to create mobile microrobots and improve robot performance



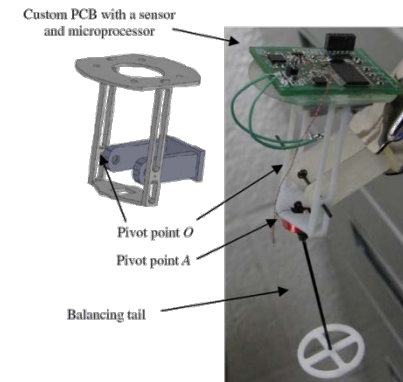
Silicon/PDMS Integrated
Micromechanisms



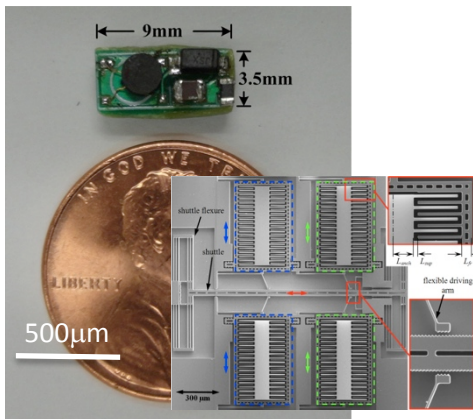
Autonomous Jumping Microrobots
with Energetics (w/ ARL)



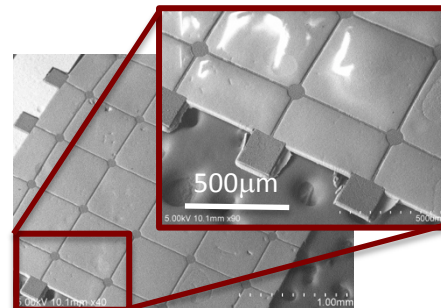
Soft Actuators for Soft
Robotics



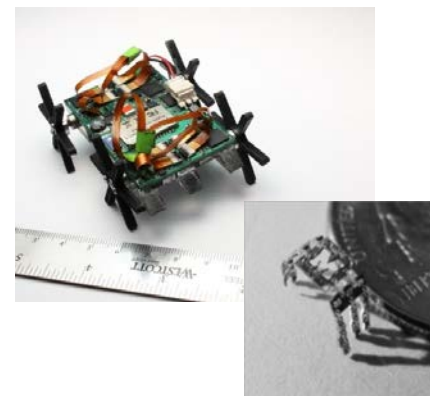
Inertial Appendages for
Stability and Dynamic
Locomotion



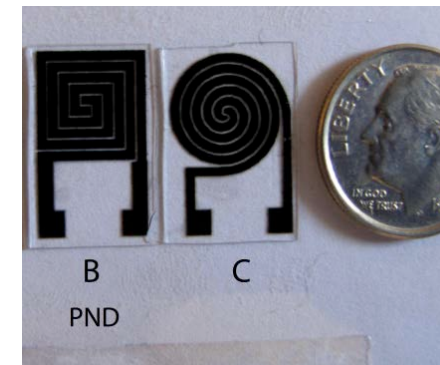
Efficient, High Force and Power
Density Microactuation
(electronics w/ Alireza Khaligh)



High Areal Density Elastomer
Tactile Skins



Locomotion in Small-scale
Legged Robots



Electroadhesion