**Past: Microfabrication + Robotics = very slow, tethered robots (~1 cm in size) that can only ‘walk’ on silicon wafers**

**Future: Microfabrication + Robotics = Better robots at all scales!**

**Present: Expanding the materials toolbox in microfabrication for improved locomotion and efficiency in small robots**

**Present: Microfabrication with multiple materials for improved sensors and actuators in larger robots**

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Q: How can we better integrate robotic systems at small scales and improve performance in larger robotic systems with microfabrication?

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**Understanding locomotion at small scales**

**Q:** How should robots locomote at small scales? How can we use these robots as physical models for biomechanics?

**Model-based systems engineering for small-scale robots**

**Q:** How to best design with multiple material and geometry options?

**Q:** How should control be distributed through mechanical and electrical sub-systems?

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**Incorporating Microfabrication with Medical Robotics**

**Q:** How can microfabricated sensors and actuators be better integrated in 3D for more DOF in larger systems?

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Thanks to many students and collaborators including (but not limited to!)

Aaron Gerratt, Ivan Penskiy, Dana Vogtmann, Wayne Churaman, Alexi Charalambides, Simpson Chen, Ryan St. Pierre, Xiaotian Ma

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