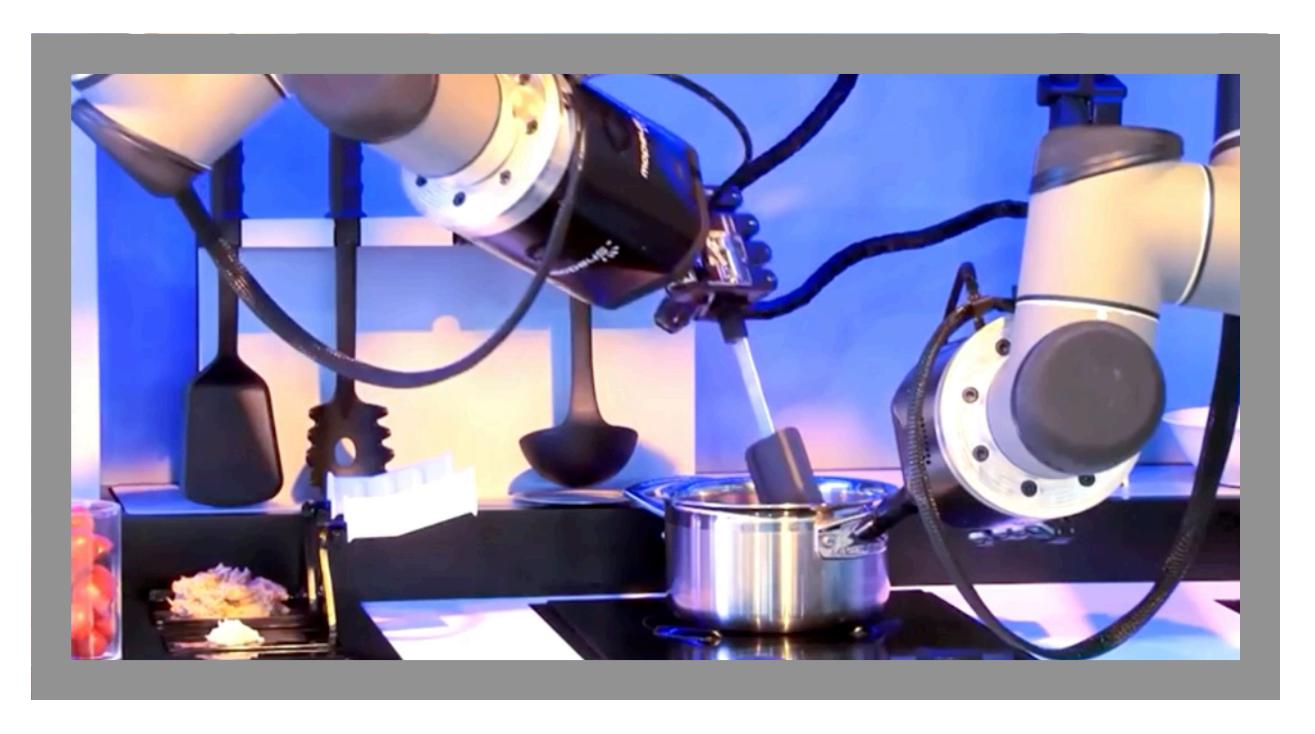
Computational and Interactive Design of Soft Growing Robot Manipulators

Allison Okamura and C. Karen Liu Stanford University

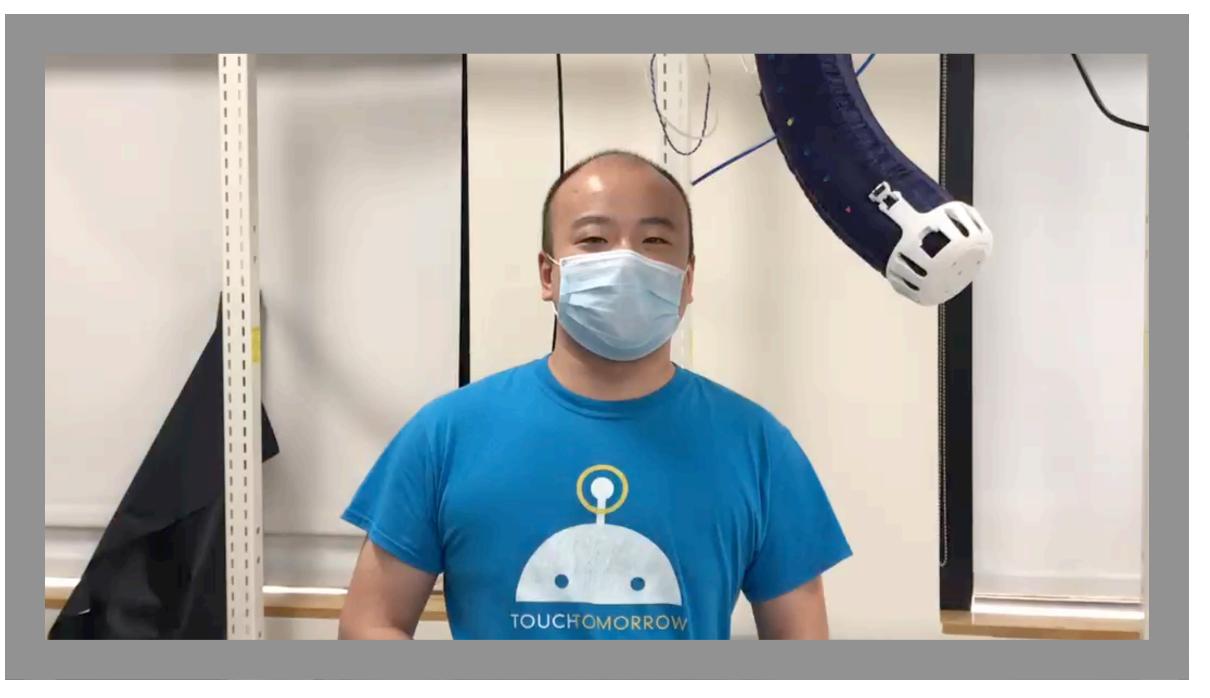
October 2020 - October 2023

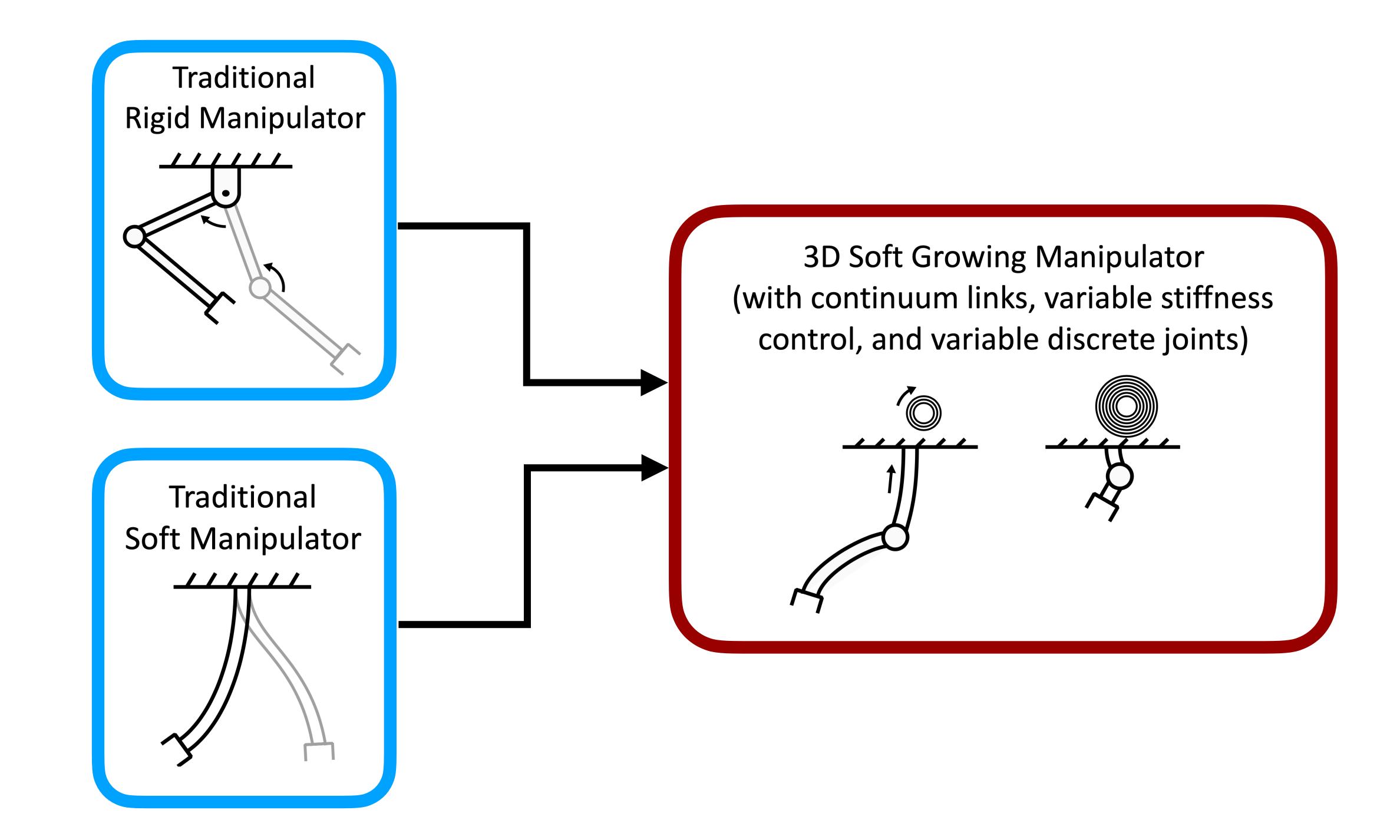




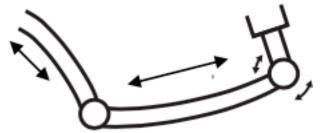


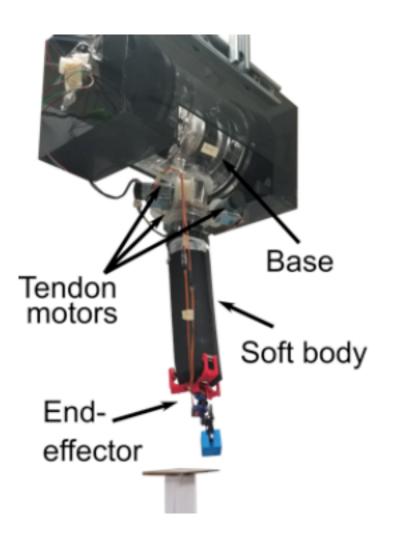


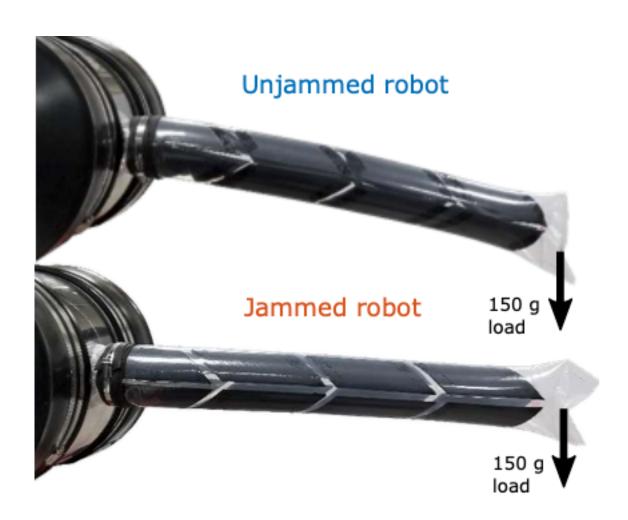


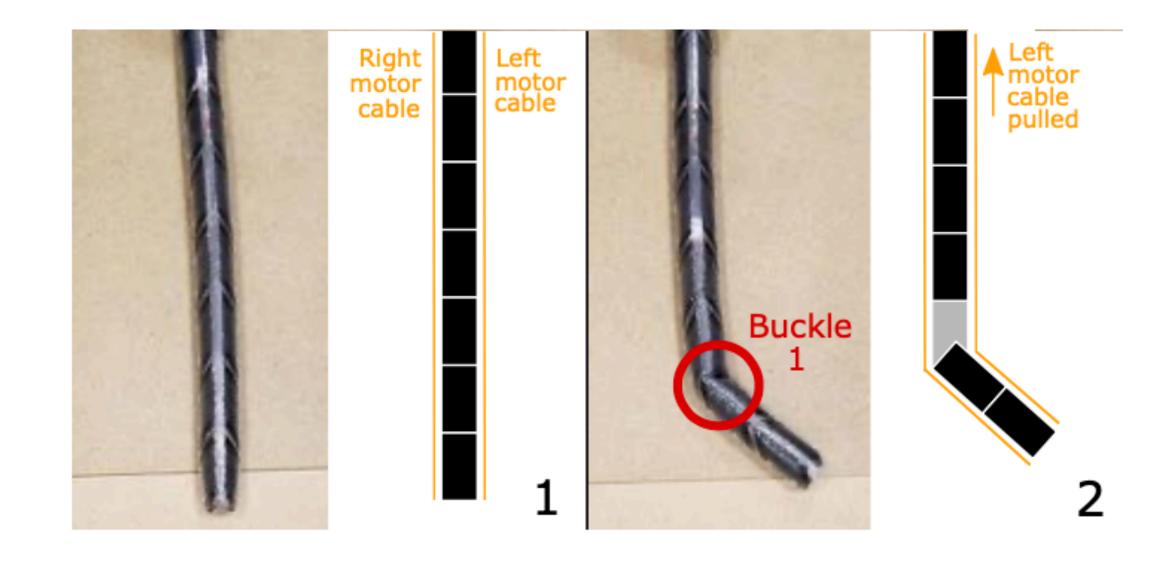


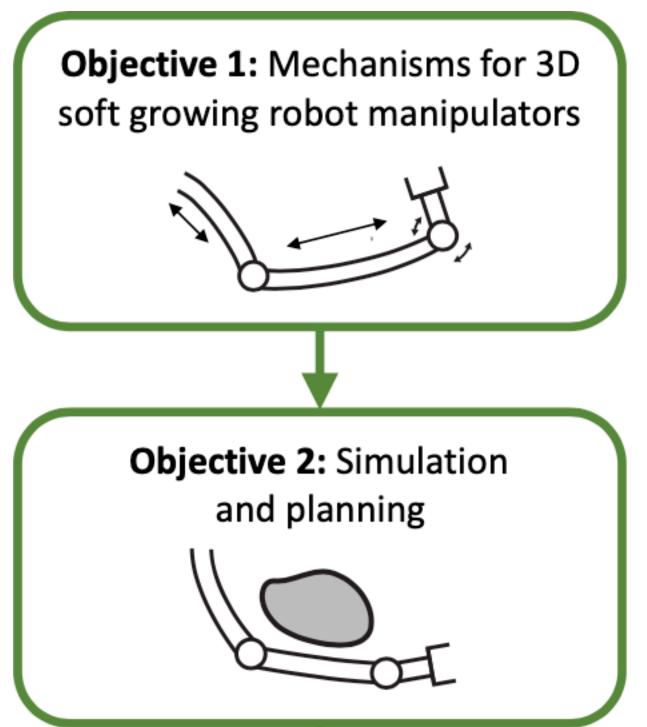
Objective 1: Mechanisms for 3D soft growing robot manipulators



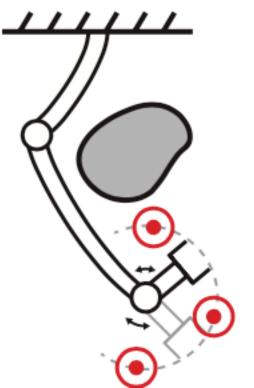




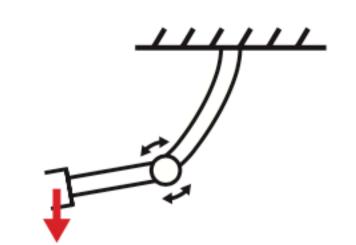




Problem 1
Inverse Kinematics



Problem 2
Inverse Dynamics



Problem 3
Trajectory Optimization

