



THE OHIO STATE UNIVERSITY



Research Overview

Design Innovation and Simulation Laboratory

Haijun Su

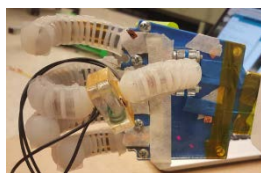
Dept. of Mechanical & Aerospace Engineering (Associate Professor, su.298@osu.edu)

Design Innovation and Simulation Laboratory (DISL) (Director, <http://disl.osu.edu/>)

The Ohio State University

Columbus, Ohio, USA

Soft robotic hand



Human-safe co-robots



Drug delivery

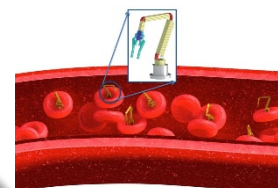
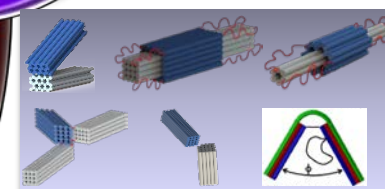
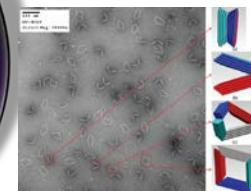


Figure 1. Vision of DNA origami mechanisms and robots for medical applications.



DNA origami joints
& mechanisms

Driving simulation



Virtual factory

Research
Interests
@ DISL

Robotics:
Co-robots
Soft robots

DNA
Origami
Nanorobots

Virtual
Reality
Simulations

Compliant
Mechanism
Theories

Novel
Manufacturing
Methods

Soft material molding
Multi-functional structures



Shape deposition
manufacturing

Design
modeling



Computer-aided design