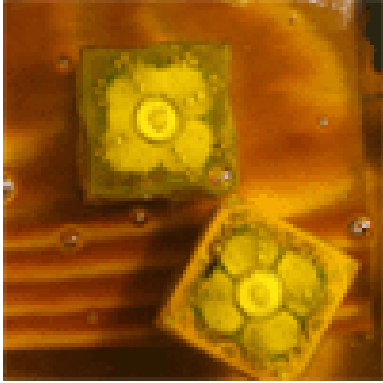


Contact: Prof. Hod Lipson hod.lipson@cornell.edu
Phone: 5-1686
Office: 216 Upson Hall

Stochastic mesoscale cellular robotics



The goal of this project is to explore a new substrate for robots comprising many mesoscale (cm-scale) units that self-assemble to form and reconfigure into target, large scale shapes. Each units has a miniature controller that can open and close valves, so as to redirect flow of units to the desired position. Project can focus on design, simulation, and/or construction of a proof of principle of these units using rapid prototyping technology. Suitable for a single student or a team of two. To learn more, see <http://mae2.wdg.us/ccsl/research/stochastic/index.htm>