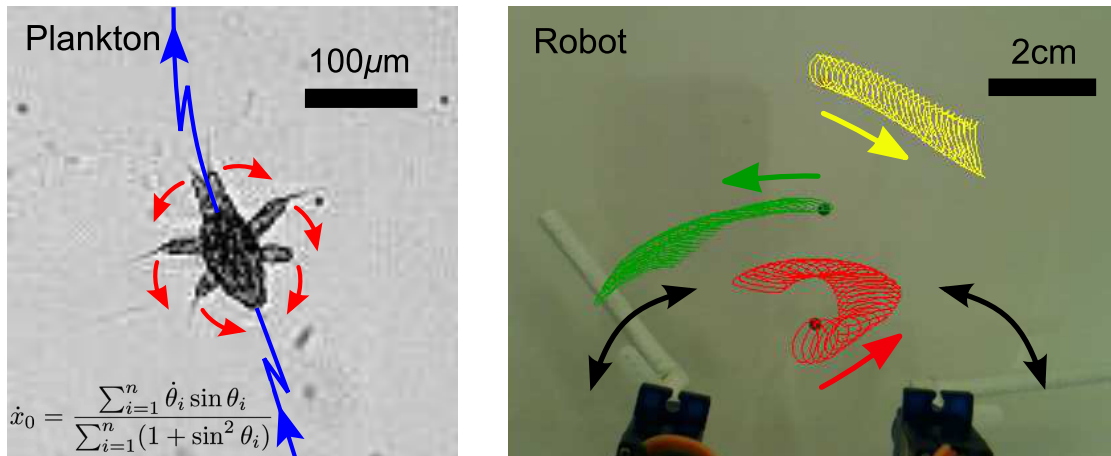


CEE691 Seminar Series in Spring 2017

The Department of Civil and Environmental Engineering
University of Hawaii at Manoa

Plankton-inspired robots: modeling and experiments

Prof. Daisuke Takaki, Assistant Professor
Department of Mathematics, University of Hawaii



Abstract Small aquatic animals inhabit a physical world drastically different from ours: water around them behaves like sticky honey, so moving around and capturing food are challenging. In the laboratory we observe and often discover unusual behavior, build mathematical models of their movement, and design robots inspired by nature. I will present an overview of ongoing projects at the interface of biology, engineering, and mathematics. A long-term goal is to develop miniature robots for future applications in medicine and ocean engineering.

Tuesday, March 7th
2:30 p.m. – 3:20 p.m.

Crawford Hall
Room 105

Building
Select:

Crawford Hall (Craw or CR)

