



Treuille, who received a PhD from the University of Washington in 2008, is one of the country's leading young computer scientists. An assistant professor of robotics and computer science at Carnegie Mellon University, he holds an NSF CAREER Award, is a panelist for the President's Council of Advisors on Science and Technology, and in 2009 was named by MIT's *Technology Review* as one of the world's top 35 innovators under age 35.



Spring 2012

G. Milton Wing Lectures

with Adrien Treuille, PhD

March 7–8, 2012

Interactive Biology

Wednesday, March 7, 5–6 p.m.
Hutchison Hall 140 (Hubbell Auditorium)

Nanoscale engineering holds the key to developing next-generation therapies, but this painstaking process depends on the difficult task of predicting molecular self-assembly. This talk describes two unprecedented “citizen science” projects designed to rapidly advance bioengineering.

New Approaches to Modeling and Control of Complex Dynamics

Thursday, March 8, 3:30–4:30 p.m.
Goergen Hall 101 (Sloan Auditorium)

Complex phenomena such as animal morphology, human motion, and large fluid systems challenge even our most sophisticated simulation and control techniques. This talk presents research solving these problems across a wide range of phenomena, including a new model-reduction approach to fluids that is orders-of-magnitude faster than standard simulation methods and enables interactive high-resolution fluid simulation for the first time.

About the G. Milton Wing Lectures

The Wing series is funded by a generous bequest from the late applied mathematician and University of Rochester alumnus G. Milton Wing (BA, 1944; MS, 1947; Cornell PhD, 1950), intended to support lectures “ . . . by one or more distinguished scientists . . . in the general area of creative application of mathematics to subjects, problems, and fields of interest to the larger scientific community.”



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