

RAZOR CLAMS TO ROBOTS:

<DRAWING ENGINEERING
INSPIRATION FROM NATURAL
SYSTEMS />

FREE
PUBLIC
LECTURE

7pm · Thurs · July 21 ·
<C.U. Boulder>
DUANE · PHYSICS
room_G1B20

Anette_(Peko)_Hosoi

BIO

Professor of Mechanical Engineering at MIT. Her research lies at the intersection of fluid mechanics, bio-inspired design and locomotion, and spans multiple disciplines including physics, biology and applied mathematics. Professor Hosoi has also been recognized as an exceptional and innovative teacher through her appearance on a children's PBS program (FETCH!) and many awards recognizing her educational contributions.

TOPIC

Many natural systems have evolved to perform certain tasks as perfectly as possible within the limits set by the laws of nature. This observation can be used both to guide engineering design, and to gain insights into the form and function of biological systems. This talk will discuss the physical principles exploited by snails and clams and how it leads to the development of novel robotic diggers and crawlers (RoboSnail and RoboClam).

QUESTIONS?_303.492.3367

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