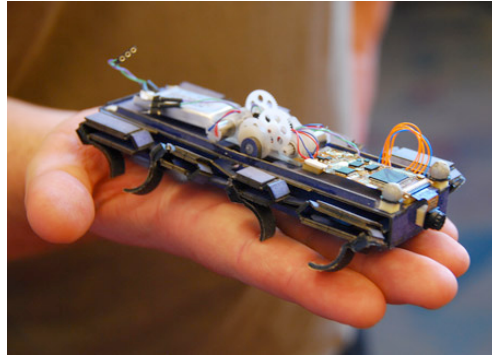


Marin Science Seminar Presents

# Bioinspiration

Bird-bots and Bug-bots at Berkeley  
with Ian Krase of UC Berkeley's Fearing Lab



A one-hour multimedia presentation for Marin  
High School Students and Teens in Marin

**Wednesday, October 30<sup>th</sup>, 2013**

7:30 – 8:30 pm

Terra Linda High School, Room 207  
320 Albion Way, San Rafael, CA 94903

Many of today's robots are large, clunky assemblages of wheels, wires, and electronics. On the other hand, we can make much more mobile and effective ones by learning from millions of years of natural evolution. At the Fearing Lab in UC Berkeley, we imitate cockroaches, birds, and geckos; animals with very interesting properties. What can we gain by modeling our machines after these runners, fliers, and climbers?

*Ian Krase is an alumnus of Terra Linda High School who has taught himself machining, built electronic equipment, and made glass mirrors the old way. He also worked on equipment during internships at the UC Berkeley nanotechnology labs. Currently he is a Junior at UC Berkeley in the Mechanical Engineering department where he has discovered his love of robotics and joined the Fearing Lab, a group which focuses on imitating nature to make highly efficient small robots.*

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