

# Multidisciplinary Simulation, Estimation, and Assimilation Systems Seminar Series



## Prof. Kamran Mohseni

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### *Bio-Inspired Aerial and Underwater Vehicles for Distributed Mobile Sensor Networking*

**Abstract:** This talk is focused on aerial and underwater platforms for distributed mobile sensor networking applications in which vehicle system, control, communication, and information processing are deeply integrated. Availability of affordable vehicle platforms, mass-produced micro-sensors, and the use of pervasive networking technology enable such systems to be applied to a wide range of real-life applications from environmental monitoring to surveillance and national security. I will present the design, fabrication, and testing of a few generations of bio-inspired aerial and underwater fleet and their applications. For further information on the research in Mobile Sensor Networking Platforms and Multiphysics Micro/Nano Transport see the group's website at <http://enstrophy.colorado.edu/~mohseni/>

**Wednesday, Nov. 5, 2008**

**4:00; Rm. 5-314**

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