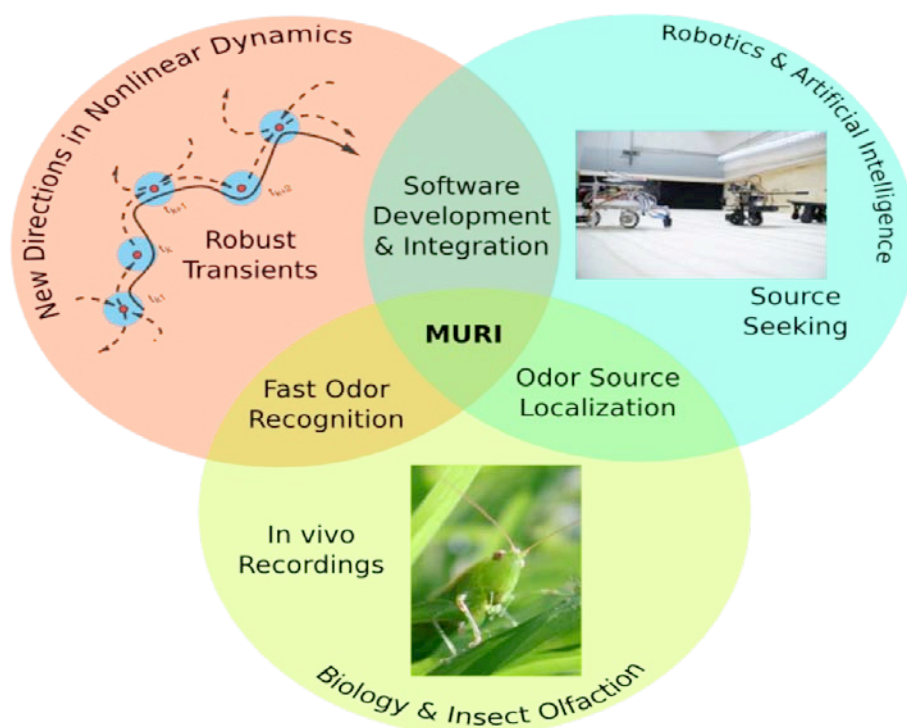




WINTER SCHOOL 2010

Chemical Discrimination and Localization Using Biologically Based Olfactory Processing

(Organizers: Ramón Huerta, Mikhail Rabinovich and Miroslav Krstic)



**CENTER FOR MAGNETIC RECORDING RESEARCH (CMRR) AUDITORIUM
JANUARY 11-12, 2010**

DEAN BUONOMANO, *UCLA*: Neural Dynamics and the Neural Basis of Temporal Processing
RICARDO GUTIERREZ-OSUNA, *Texas A&M*: Statistical Pattern Recognition for Chemical Sensor Arrays / Neuromorphic Methods for Machine Olfaction
BRIAN SMITH, *Arizona State University*: Olfactory Coding and Plasticity: Common Principles Across Different Phyla / The Olfactory System of the Honey Bee as a Model for Dynamic Processing and Plasticity
JAMES SPALL, *The Johns Hopkins University*: Some Issues in Stochastic Search and Optimization / Stochastic Optimization and the Simultaneous Perturbation Method

This is the third in an annual series of Winter Schools focused on the transfer of the biological principles of odor discrimination, localization and tracking to engineering devices. The series is sponsored by the U.S. Office of Naval Research as part of its UCSD/Caltech/Pittsburgh MURI program in Chemical Discrimination and Localization using Biologically Based Olfactory Processing. This year's School will include lectures on control and robotics, olfaction, temporal information processing in the brain, and artificial odor recognition. The School is intended for advanced graduate students and researchers interested in this promising area. Graduate students may apply for a travel award. When applying, send one letter of reference from your dissertation supervisor. For additional information contact: Terry Peters (tpeters@ucsd.edu), University of California, San Diego, BioCircuits Institute, 9500 Gilman Drive, La Jolla, CA 92093-0402. Phone: (858) 534-7753

<http://inls.ucsd.edu/ws2010.html>