

UCSD / CALTECH / PITTSBURGH
Winter School in Chemical Discrimination and Localization using
Biologically Based Olfactory Processing
Center for Magnetic Recording Research Auditorium (CMRR)
Schedule of Lectures
January 11-12, 2010

Monday, January 11, 2010

- 9:00 am – 9:10 am** Opening Remarks
- 9:10 am – 10:25 am** **JAMES SPALL**, *The Johns Hopkins University*: Some Issues in Stochastic Search and Optimization
- 10:40 am – 11:55 pm** **BRIAN SMITH**, *Arizona State University*: Olfactory Coding and Plasticity: Common Principles Across Different Phyla
- 11:55 pm – 1:15 pm** LUNCH
- 1:15 pm – 2:30 pm** **DEAN BUONOMANO**, *UCLA*: Neural Dynamics and the Neural Basis of Temporal Processing
- 2:45 pm – 4:00 pm** **JAMES SPALL**, *The Johns Hopkins University*: Stochastic Optimization and the Simultaneous Perturbation Method

Tuesday, January 12, 2010

- 9:00 am – 10:15 am** **RICARDO GUTIERREZ-OSUNA**, *Texas A&M*: Statistical Pattern Recognition for Chemical Sensor Arrays
- 10:30 am – 11:45 pm** **DEAN BUONOMANO**, *UCLA*: Neural Dynamics and the Neural Basis of Temporal Processing
- 11:45 pm – 1:15 pm** LUNCH
- 1:15 pm – 2:30 pm** **BRIAN SMITH**, *Arizona State University*: The Olfactory System of the Honey Bee as a Model for Dynamic Processing and Plasticity
- 2:45 pm – 4:00 pm** **RICARDO GUTIERREZ-OSUNA**, *Texas A&M*: Neuromorphic Methods for Machine Olfaction
- 4:00 – 4:30 pm** Open Discussion, Closing Remarks