



Spring Term 2008

## Departmental Seminars

3:30 pm, Refreshments, A214 E-Quad

4:00 p.m., Elgin Room (E-Quad A224)

- February 6      **Marianthi Ierapetritou**, Rutgers University  
*Systems approaches for analyzing complex process engineering problems*
- February 13     **David Myers \*88**, Research Triangle Institute  
*The Challenge of Global Climate Change*
- February 20     **Molly Shoichet**, University of Toronto  
*Regenerative Medicine Strategies in the Central Nervous System*

### Richard H. Wilhelm Lecture Series

**Mark Davis**

**California Institute of Technology**

**4:00 pm, Friend Center FC113**

February 25     *Design of Hybrid Inorganic-Organic Materials for Heterogeneous Catalysis*

February 27     *Systemic Delivery of siRNA via Targeted Nanoparticles*

- March 5         **Andrzej Banaszuk**, United Technologies  
*The Role of Control in Design: from Fixing Problems to the Design of Dynamics*
- March 12       **Bruce Berne**, Columbia University  
*N/A*
- March 26       **Angel Garcia**, Rensselaer Polytechnic Institute  
*Simulations of the Pressure Driven Folding/Unfolding of Biomolecules*
- April 2          **Michael Mackay**, Michigan State University  
*Dynamics and Thermodynamics on the Nanoscale*
- April 9          **Ravi Kane**, Rensselaer Polytechnic Institute  
*The Design of Nanoscale Therapeutics and Nanostructured Materials*
- April 16         **Abraham Stroock**, Cornell University  
*Micro-Engineering Osmotic Stresses in Colloidal Dispersions and Synthetic Trees*
- April 23         **Hsueh-Chia Chang \*80**, University of Notre Dame  
*Dielctrophoresis of Nanocolloids: DNA and RNA Identification in Nanochannels*
- April 30         **Anand Asthagiri**, California Institute of Technology  
*Quantitative Variations in Molecular Networks and the Emergence of Multicellular Phenotypic Diversity*
- May 7           **Efthimios Kaxiras**, Harvard University  
*Modeling of Materials from Atomistic to Macroscopic Scales: Computation Meets Reality*
- May 14          **Hans Andersen**, Stanford University  
*Scaling Analysis of Dynamic Heterogeneity in a Supercooled Lennard-Jones Liquid*
- May 21          **Kristi Kiick**, University of Delaware  
*Macromolecular Approaches in the Tailoring of Multivalent Interactions*