Department of Chemical Engineering
Princeton University

Fall 2007/08

Departmental Seminars
3:30 pm, Refreshments, A214 E-Quad
4:00 pm, Elgin Room, A224 E-Quad

September 19  Joel P. Schneider, University of Delaware
De Novo Design of Peptide-Based Hydrogels for Therapeutic Applications

September 26  John A. Pojman, University of Southern Mississippi
Frontal Polymerization for Making New Materials and Studying Nonlinear Dynamics

October 3  Juan J. de Pablo, University of Wisconsin - Madison
Driven Assembly of Macromolecules, and its Application for Nanofabrication

October 10  Lynden A. Archer, Cornell University
Electrophoretic Dynamics and Bending Properties of Polyelectrolytes

October 17  John M. Torkelson, Northwestern University
Dramatic Effects of Nanoscale Confinement on the Glass Transition, Physical Aging, Translational Diffusion, and Dynamics in Polymer Films and Nanocomposites

October 24  Hang Lu, The Georgia Institute of Technology
Probing Worms’ Brain and Behavior with Microfluidics

November 14  Giulia A. Galli, University of California - Davis
Water at Interfaces: Insight from ab-initio Simulations

November 28  Arthur D. Lander, University of California - Irvine
Control Strategies in the Regulation of Pattern and Size in Animal Development

December 5  Sandor Vajda, Boston University
New Optimization Algorithms for Protein-protein Docking

December 12  Huimin Zhao, University of Illinois at Urbana-Champaign
Industrial Biology: Surfing the Third Wave of Biotechnology

January 9  Mark A. Barteau, University of Delaware
Moving Catalysis from Analysis to Design: Progress in Olefin Epoxidation

January 16  Peter Vukusic, University of Exeter
Evolutionary Photonics: Natural Design Protocols for Manipulating Light and Colour

January 23  Phillip B. Messersmith, Northwestern University
Adhesive Strategies in Nature: Mussels, Geckos, and their Synthetic Polymer Mimics