

Spring Term 2016

Departmental Seminars

3:30 p.m., Refreshments, A214 E-Quad

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

- February 10 **Troy Shinbrot**, Rutgers University
Against the Current: Three Examples of Paradoxical Flows
- February 17 **Xiaolong Yin**, Colorado School of Mines
Microfluidic Study and Direct Numerical Simulation of Multiphase Displacement in Porous Media
- February 24 **Alexander Dunn**, Stanford University
Mechanosensing at Cell-Cell and Cell-Matrix Adhesions
- March 2 **Alexander Mitsos**, RWTH Aachen University
Global Optimization of Unconventional Formulations for Sustainable Energy Systems
- March 9 **Hal Alper**, University of Texas at Austin
Engineering an Expanded Chemical Palette in Cells

Dudley A. Saville Lecture

Arthi Jayaraman
University of Delaware

Refreshments: 3:30 p.m., Friend Center, Convocation Room, FC113

Lecture: 4:00 p.m., Friend Center, Convocation Room, FC113

- March 23 *Theory and Simulations of Macromolecular Soft Materials:
Linking Molecular Design to Macroscale Morphology and Function*

- March 30 **Krista Walton**, Georgia Institute of Technology
*Molecular Sponges for Air Quality Control:
Targeted Adsorption using Metal-Organic Frameworks*
- April 6 **James Forrest**, University of Waterloo
Towards an Understanding of Glass Transitions in Thin Films
- April 13 **Mohan Sankaran**, Case Western Reserve University
Bottom-up, Plasma-based Approaches to Nanomaterials Synthesis
- April 20 **Jeffrey Carbeck**, Deloitte Consulting Innovation
Un-constraining Innovation in “Hard Tech” for a New Era of Growth in Manufacturing
- April 27 **Christina Smolke**, Stanford University
Synthetic Biology Platforms for Plant Natural Product Biosynthesis and Discovery