

Departmental Seminars

3:30 pm, Refreshments, A214 E-Quad
4:00 pm, Seminar, A224 E-Quad (Elgin Room)

- September 13 **Roseanne Ford**, University of Virginia
Transport Phenomena of Chemotactic Bacteria
- September 20 **Brian Pfleger**, University of Wisconsin at Madison
*Sustainability via Synthetic Biology:
A Growing Role for Biotechnology in the Chemical Industry*
- September 27 **David Simmons**, University of Akron
*Understanding and Design of the Glass Transition in Nanostructured Materials:
From Computational Insights to Evolutionary Algorithms*

Richard H. Wilhelm Lectureship

Matthew Tirrell

University of Chicago
Institute for Molecular Engineering

- October 3** *Building a New Engineering Program: Why and How? **
- October 4** *Polyelectrolyte Complexation: New Physics and New Materials **

- October 11 **Vinothan Manoharan**, Harvard University
Understanding and Harnessing Entropy in Colloids
- October 18 **Venkat Ganesan**, University of Texas at Austin
In Pursuit of Mechanically Strong, Conducting Polymer Electrolytes
- October 25 **Kenneth Dill**, Stony Brook University
Towards a Physical Chemistry of Bacterial Cells
- November 8 **Moisés Carreón**, Colorado School of Mines
*Microporous Crystalline Membranes for Kr/Xe Separation **
- November 15 **Andreas Linninger**, University of Illinois at Chicago
The Mathematics of the Physical Brain
- November 29 **Ying Shirley Meng**, University of California, San Diego
*From Atom to Microgrid: New Perspectives for Electrochemical Energy Storage **
- December 6 **Alfredo Alexander-Katz**, Massachusetts Institute of Technology
The Nano-Bio World: Lessons from In-Silico Experiments
- December 13 **Sharon Glotzer**, University of Michigan
Engineering Colloidal Clathrates

* Refreshments and Seminar will be in Maeder Hall Auditorium