



Fall Term 2010

Departmental Seminars

3:30 pm, Refreshments, A214 E-Quad

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

- September 22 **Adam Arkin**, University of California - Berkeley
Towards Scalable Synthetic Biology for Engineering Beyond the Bioreactor
- September 29 **Russell Holmes**, University of Minnesota
Engineering Film Composition and Morphology for Efficient Photovoltaic Cells Based on Organic Small Molecules
- October 6 **Wolfgang Marquardt**, RTWH Aachen University
The Biorenewables Opportunity – Towards Next Generation Process and Product Systems

Richard H. Wilhelm Lecture Series

Lanny D. Schmidt

University of Minnesota

Regents Professor of Chemical Engineering and Materials Science

Refreshments: 3:30 pm, Friend Center FC113

Lecture: 4:00 pm, Friend Center FC113

- October 11 *Biomass to Biofuels: Does Renewable Energy Make Sense?*
- October 13 *Catalytic Autothermal Reforming of Renewable Fuels at Millisecond Times*
- October 20 **Mark Ediger**, University of Wisconsin
Hiking Down the Energy Landscape: Mobile Surfaces Allow the Preparation of Highly Stable Glasses via Vapor Deposition
- October 27 **Joseph DeSimone**, University of North Carolina
*Co-opting Moore's Law:
Vaccines, Medicines and Interfacially-Active Particles Made on a Wafer*
- November 17 **Vassily Hatzimanikatis**, EPFL - Lausanne
Retrofitting Complex Cellular Systems for the Production of Biofuels and Biochemicals: It would BNICE to have an ORACLE
- December 1 **Maurits Taytelbaum**, Advochem, LLC
The Chemical Risk Assessment Battlefield
- December 8 **Thomas Epps, III**, University of Delaware
Using Interfacial Manipulations to Generate Functional Materials from Nanostructured Polymers
- December 15 **Sid Nagel**, University of Chicago
Impact!
- January 19 **Justin Hanes**, Johns Hopkins University
*Nanomedicine for Mucosal Surfaces:
The Development of "Mucus Penetrating Nanoparticles"*