Chemical & Biomolecular Engineering

ROBERT L. PIGFORD MEMORIAL LECTURES

5/8/2020

Jay Keasling
University of California, Berkeley
Engineered Polyketide Synthases as Platform for Synthetic Chemistry

9/28/2018

Athanassios Z. Panagiotopoulos
Princeton University
Activities, Solubilities, and Nucleation Rates of Aqueous Electrolyte Solutions

10/6/2017

David Boger
University of Florida
From Boger Fluids to Environmental Rheology

10/21/2016

Jonathan Dordick
Rensselaer Polytechnic Institute
Exploiting the Interface of Biomolecular Engineering and Materials Science to Generate New Therapeutic Outcomes

3/7/2014

Alexis Bell
University of California, Berkeley
Effects of Local Composition, Structure, and Confinement on the Activity and Selectivity of Catalytically Active Sites

5/1/2013

George Georgiou
The University of Texas at Austin
What's in your blood: Systems analysis of human antibody immunity

9/9/2011

Klavs Jensen
Massachusetts Institute of Technology
Shrinking and Accelerating the Lab - Microreactors in Discovery and Development
3/18/2011
Chaitan Khosla
Stanford University
Modular Biocatalysts

Joseph DeSimone
The University of North Carolina at Chapel Hill
Top-down Nano-fabrication Technologies for the Production of Uniform, Shape-Specific Carriers for Vaccines, Biologics and Small Molecule Drugs

4/9/2010
Mark Davis
Massachusetts Institute of Technology
Biofuels and Metabolic Engineering

4/29/2009
Gregory Stephanopoulos
California Institute of Technology
Nanoparticle Cancer Therapeutics: From Concept to Clinic

4/18/2008
Jeffrey Hubbell
Swiss Federal Institute of Technology
Polymer and Biomolecule in Regenerative Medicine and Immunotherapeutics

11/28/2007
Sangtae Kim
Purdue University
Pharmaceutical Informatics and the Pathway to Personalized Medicines in the Petascale Era

10/6/2006
William Banholzer
Dow Chemical Company
Personal Experience in the Application of Chemical Engineering and Selected Research Topics at Dow

9/23/2005
Thomas F. Kuech
University of Wisconsin-Madison
The Chemical Interface in Microelectronics

Adam Heller
University of Texas at Austin
Drug-Delivering Integrated Therapeutic Systems
9/29/2000
Stuart Churchill
University of Pennsylvania
Fluids

1999
Robert Brown
Massachusetts Institute of Technology
Chemical Engineering of the Microdefects in Silicon Crystals

1999
Eli Ruckenstein
The State University of New York, Buffalo
Thermodynamically Stable Dispersions: Lamellar Liquid Crystals

1998
Louis Hegedus
Elf Atochem
NO SHOW

1997
R. Byron Bird
Wisconsin
Kinetic Theory and Transport Properties of Polymers

1996
Donald R. Paul
Texas
Sorption and Transport of penetrants in Multiphase Polymer Systems

Mark Barteau
University of Delaware
Toward New Catalysis from Metal Oxide Surface Science

1994
Gary Leal
University of California, Santa Barbara
Studies of the Motion of Viscoelastic Liquids in Extensional and Mixed Flows

1993
L.E. (Skip) Scriven
University of Minnesota
Flow, Contact, Transfer: Packed-Bed Contactors Dissected with Porous Media Science; On the Evolution of Chemical Engineering

1992
Andreas Acrivos
The City College of New York
Fluid Skimming and Particle Entrainment into a Circular Side Pore