

Covestro (formerly Bayer) Lectures

Covestro

Spring 2017

Karen Wooley, Texas A&M

- *Translation of Fundamental Chemistry to Functional Nanoscopic Macromolecules Designed for Advanced Applications*
- *Expanding the Scopes of Synthetic Organic and Polymer Chemistries: Utilization of the Inherent Stereochemical and Functional Diversities of Natural Products*

Spring 2016

Bob Waymouth, Stanford University

- *Catalysis: Challenges and Opportunities for Sustainability*
- *Catalysis: The Key to Selectivity in Polymer Syntheses*

Bayer

Spring 2011

Krzysztof Matyjaszewski, Carnegie Mellon University

- *Tempering Radicals Behavior in ATRP*
- *Macromolecular Engineering for Functional Nanostructured Materials*

Spring 2010

Timothy Swager, MIT

- *Triptycene: A Versatile Building Block for Sensory, Optical, Electronic and Structural Polymers*
- *Carbon Nanotubes in Chem/Bio/Rad Sensing.*

Spring 2009

Jimmy Mays, University of Tennessee at Knoxville

- *Branched Block Copolymers: Synthesis, Morphology, and Properties*
- *Novel Charged Polymers: From Mineralization to Fuel Cell Membranes*

Spring 2008

Jeffrey S. Moore, University of Illinois at Urbana-Champaign

- *Mechanophore-Linked Polymers and Mechanically Responsive Materials*
- *Dynamic Covalent Chemistry of Linear and Cyclic Oligomers*

Spring 2007

George M. Whitesides, Harvard University

- *Electron Transfer Across Self-Assembled Monolayers. The Development of a Junction Based on Sams Sandwiched Between Two Metal Electrodes – One Gold or Silver and the other Liquid Mercury*
- *And the Use of These Systems to Study Mechanisms of Electron Transfer In Organic Materials*