

# Materials Science and Engineering

## Fall 2017 Seminar Series

110 Maryland Hall 2:30 PM

September 13



**Lu Guo**

Johns Hopkins University  
Department of Materials  
Science and Engineering

Engineering the cell microenvironment –  
biomaterials for tissue regeneration and  
immunotherapy

October 18



**John Lewandowski**

Case Western Reserve University  
Department of Materials Science  
and Engineering

Metal Additive Manufacturing: A Review  
of Techniques and Mechanical Properties

September 20



**Ray Schaak**

Penn State University  
Department of Chemistry

Turning Cartoons into Reality: Retrosyn-  
thetic Design Tools for Complex Inorganic  
Nanostructures

October 25



**Mike Sailor**

University of California, San Diego  
Department of Chemistry and  
Biochemistry

Porous Silicon Nanoparticles For Targeted  
Delivery of Therapeutics

September 27



**Edward Dreizin**

New Jersey Institute of Technology  
Department of Chemical Engineering

Reactive Structural Materials

November 1



**John Perepezko**

University of Wisconsin-Madison  
Department of Materials Science  
and Engineering

Nucleation Reactions in Metallic Glass  
Alloys

October 4



**Dave Rowenhorst**

Naval Research Laboratory

Three Dimensional Characterization of  
Materials

November 8



**Ting Xu**

University of California, Berkeley  
Department of Materials Science  
and Engineering

Hybrid materials: Finding the pathway  
toward functionalities

October 11



**Alain Karma**

Northeastern University  
Department of Physics

Microstructural Pattern Formation during  
Liquid Metal Dealloying

November 15



**Keith J. Bowman**

UMBC  
College of Engineering and Information  
Technology

TBD

December 6



**Xiaoning Jiang**

North Carolina State University  
Department of Mechanical and  
Aerospace Engineering

Small Aperture Transducers for  
Intravascular Ultrasound Imaging and  
Therapy