

Mechanical & Aerospace Engineering Colloquium Series

Spring 2014 Program

Wednesdays, 3:30pm, Fiber Optics Auditorium

Refreshments, 3:15pm

- January 29 *Nanoscience and Nanotechnology for Efficient Energy*
Professor Zhifeng Ren, University of Houston
- February 05 *From scalable flame synthesis of nanomaterials to the assembly of devices: "black" TiO₂ as visible-light photocatalyst*
Professor Sotiris Pratsinis, Swiss Federal Institute of Technology, (ETH Zürich), Switzerland
- February 12 *Print Mask Design to Address Material and Substrate Interaction in Functional Printing*
Professor George Chiu, Purdue University
- February 19 *Deans Distinguished Lecturer*
Professor Ramsey Homsany, Dropbox
- February 26 *Development of Carbon Nanostructured Mats for High Thermal Conductivity Thermal Interface Materials*
Professor Amy Fleischer, Villanova University
- March 05 *Mechanics of Cellular Uptake of One- and Two-Dimensional Nanomaterials*
Professor Huajian Gao, Brown University
- March 12 *Hydrodynamics of phospholipids and proteins at the air/water interface*
Professor Amir Hirsra, Rensselaer Polytechnic Institute
- March 26 *Influence of Plasma Oscillation Mode Transitions on Hall Thruster Operation*
Professor Alec Gallimore, University of Michigan
- April 02 *In Vivo Magnetic Resonance Imaging in Brain and Muscle*
Professor John Georgiadis, University of Illinois at Urbana-Champaign
- April 09 *Fluid-structure Interactions From the Large to the Very Small*
Professor Michael Shelley, New York University
- April 16 *Recent Research in Acoustic Materials and Devices at NRL*
Dr. Christopher Layman, U.S. Naval Research Laboratory
- April 23 *Complex Network Systems: Theory and Applications*
Professor Umesh Vaidya, Iowa State University
- April 30 *Fluid Dynamics in the Vocal Tract and Curved Arteries*
Professor Michael Plesniak, The George Washington University