



School of Engineering

**Mechanical & Aerospace Engineering Colloquium Series
Fall 2015 Program
Wednesdays, Engineering Building, B120, 3:30pm–4:30pm**

Social Hour, Refreshments at 4:30pm

- September 9 **Right To Know**
Alex Ruiz, *Environmental Health and Safety*
- September 16 **Has 45 Years of Attitude Estimation Been Wrong?**
Professor John L. Crassidis, *University at Buffalo SUNY*
- September 23 **Delivery and Transport of Nanoparticles in Brain Tissue**
Professor William Olbricht, *Cornell University (NSF)*
- September 30 **Solid-Liquid-Electric Effects in Material Control and Processing**
Dr. Marriner Merrill, *US Naval Research Laboratory*
- October 07 **Vibrational Control Revisited**
Professor Jordan Berg, *Texas Tech University (NSF)*
- October 14 **Towards Scalable Integration of Ordered Nanotubes and Nanowires**
Professor Sam Tawfick, *University of Illinois (Urbana-Champaign)*
- October 21 **Applications of Micro-PIV Side-View Imaging Techniques for Studying Cell Adhesion in a Flow Environment**
Professor Cheng Dong, *Pennsylvania State University*
- October 28 **Exploring the Mesoscopic Flow Regime with Particle-Based Computational Methods (Zebib Lecture)**
Professor Nikolaos Gatsonis, *Worcester Polytechnic Institute*
- November 04 **Self-assembly of colloids with directional and DNA-mediated interactions**
Professor David Pine, *New York University*
- November 11 **Metastable Behavior of CdTe Solar Cells due to Cu Migration**
Professor Dragica Vasileska, *Arizona State University*
- December 02 **Models and Algorithms for Practical CFD Simulations of Complex Turbulent Flows**
Professor Keith Walters, *Mississippi State University*