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*