



School of Engineering

Mechanical & Aerospace Engineering Colloquium Series

Fall 2016 Program

Wednesdays, Engineering Building, Room B120, 3:30pm–4:30pm

Social Hour & Refreshments at 4:30pm

- September 7 **Right To Know Seminar**
Alex Ruiz, *Rutgers REHS*
- September 14 **Reconfigurable Mechanical Metamaterials: Mechanics, Geometry, and Functionality**
Professor Jie Yin, *Temple University*
- September 21 **Field Induced Manipulations of Particles and Cells in Microfluidic Devices**
Professor Xiangchun Xuan, *Clemson University*
- September 28 **Electrohydrodynamically Driven Two-Phase Heat Transport Devices for Space and Ground Applications,**
Professor Jamal Yagoobi, *Worcester Polytechnic Institute*
- October 5 **Nanofluid Fuels**
Professor Li Qiao, *Purdue University*
- October 12 **Challenges and Opportunities in Combustion and Energy Research**
Dr. Chiping Li, *Air Force Office of Scientific Research*
- October 19 **NSF Thermal Transport Program Sees Growth Ahead**
Professor José Lage, *NSF, Southern Methodist University*
- October 26 **Soft Living Materials**
Professor Xuanhe Zhao, *Massachusetts Institute of Technology*
- November 2 **On the interaction between mechanics and chemistry:
Two case studies in catalysis and electrochemistry**
Professor Pradeep Guduru, *Brown University*
- November 9 **Microfluidic Applications of AC Electrokinetic Phenomena**
Professor Ali Beskok, *Southern Methodist University*
- November 16 **High-Speed Atomic Force Microscopy: Controls and Mechatronic Challenges**
Professor S. O. Reza Moheimani, *University of Texas-Dallas*
- November 30 **Touchless Relative Attitude Control of GEO Objects**
Professor Hanspeter Schaub, *University of Colorado-Boulder*