

**University of Pittsburgh Mechanical Engineering Graduate Seminar Series
Spring Term (04-2)**

Time: 3:00 – 4:00 PM

Location: 1175 Benedum Hall /Kresge Hall (Unless Noted Otherwise)

- Jan. 16 **“Homeland Security from the Federal, State, and University Perspectives”**
Dr. Kenneth Sochats, Director, Visual Information Systems Center
Assistant Professor, Information Sciences and Telecommunications
University of Pittsburgh
- Jan. 30 **“Intellectual Property Law”**
Dr. Joseph A. Edminister, Emeritus Professor, Electrical Engineering
University of Akron
- Feb. 6 **“Simulation of Colloidal Microdevices and Self-Assembled Structures”**
Dr. George Karniadakis, Applied Mathematics Department
Brown University
- Feb. 13 **“The Dynamics of Two-Phase Flow of Polymers”**
Dr. Sachin S. Velankar, Chemical and Petroleum Engineering Department
University of Pittsburgh
- Feb. 20 **“Optical Traps for Biological Materials Research”**
Dr. Dan Cole, Pratt School of Engineering, Mechanical Engineering and Materials Science
Duke University
- Feb. 27 **“Piezoelectric Tailoring for Structural Control Enhancement”**
Dr. Kon-Well Wang, Mechanical Engineering Department
Structural Dynamics and Controls Lab
The Pennsylvania State University
- Mar. 19 **“New Developments and Applications of Partially Premixed Flames”**
Dr. Ishwar K. Puri, Professor and Executive Associate Dean of Engineering,
Mechanical & Industrial Engineering
University of Illinois at Chicago
- Mar. 26 **“DARPA Biorevolution”**
Dr. John A. Main, Program Manager, Defense Sciences Office
DARPA
- Apr. 2 **“From Surface Properties of Single-Walled Carbon Nanotube to Gas and Vapor Sensing”**
Dr. Jing Li, Ames Research Center
NASA
- Apr. 9 **“Constitutive Restrictions and their Application to Elastic Models of Soft Tissues”**
Dr. J. Patrick Wilber, Assistant Professor, Applied Mathematics
University of Akron (722 Beh)
- Apr. 16 **“NSF Dynamic Systems, Modeling, Sensing and Control Program and Some Mechatronics
Research at the University of California, Berkeley”**
Dr. Masayoshi Tomizuka, Director, Engineering Systems Research Center (ESRC),
Mechanical Engineering Department
University of California Berkeley and NSF Dynamic Systems and Controls Program