

**University of Pittsburgh**  
**Mechanical Engineering Graduate Seminar Series**  
**Fall Term (2061)**

**Time: 3:00 – 4:00 PM**

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

**(2005)**

- Sept. 19      **“Nanomechanics: A Continuum Theory Based on the Interatomic Potential”**  
Dr. Young Huang, Shao Lee Soo Professor, University of Illinois at Urbana-Champaign
- Oct. 7 (Mon.) **“Mechanics of Integrated Small Structures”**  
Dr. Zhigang Suo, Division of Engineering & Applied Science, Harvard University
- Oct. 21      **“Soft Actuators Derived from Natural and Synthetic Polymers”**  
Dr. Don Leo, Mechanical Engineering Department, Virginia Tech  
Program Manager, Defense Sciences Office, DARPA
- Oct. 28      **“A New Microstructure-Based Constitutive Model for Human Blood”**  
Dr. Robert Owens, Department of Mathematics & Statistics, University of Montreal  
**(Starting at 2:30pm)**
- Nov. 4      **“Hemodynamic Analysis of Patient-Specific Cerebral Aneurysm Models”**  
Dr. Liang-Der Jou, Radiology, University of Pittsburgh **(Benedum 525)**
- Nov. 11      **“Single Nano Wire Sensors”**  
Dr. Minhee Yun, Electrical and Computer Engineering, University of Pittsburgh
- Nov. 18      **“Computational Modeling of Abdominal Aortic Aneurysms”**  
Dr. Ender A. Finol, Institute for Complex Engineered Systems,  
Biomedical Engineering Department, Carnegie Mellon University **(Benedum 525)**
- Dec. 2      **“The Engineer’s Response to Homeland Security and In Meeting  
Nuclear Codes & Standards Needs”**  
Kenneth Balkey, Consulting Engineer, Westinghouse Electric Company