

Mechanical Engineering Graduate Seminar Series
University of Pittsburgh
Fall Term (04-1)
Time: 3:00 – 4:00 PM
Location: 1175 Benedum Hall /Kresge Hall

- Sep 26 **“Integration of a Microsystem for Chemical and Biological Sensing”**
Dr. Chung-Chiun Liu, Wallace R. Persons Professor of Sensor Technology and Control,
Department of Chemical Engineering,
Case Western Reserve University
- Oct. 10 **“Theoretical Foundations for the Analysis of Laminar and Turbulent Spray Flows”**
Professor William A. Sirignano, Department of Mechanical and Aerospace Engineering,
University of California, Irvine
- Oct 17 **“One-Dimensional Nanostructures: Nanotubes, Nanowires, Nanobelts
and Their Sensors”**
Professor Zhengwei Pan, Department of Materials Science and Engineering,
University of Tennessee (Location TBA)
- Oct. 24 **“Fracture Initiation, Micromechanics, and Manufacturing”**
Dr. Ming Li, Section Head-Process Mechanics Section
Alcoa Technical Center
- Oct 31 **“The Future of Nuclear Power”**
Dr. John E. Goossen, Director of Science & Technology Dept.,
Westinghouse Electric Company
- Nov. 7 **“Analytical and Test Methods used in Naval Shock Design”**
Dr. Rudolph J. Scavuzzo, Consulting Engineer
Emeritus Professor, Department of Mechanical Engineering
University of Akron School of Engineering
- Nov. 14 **“Transport Phenomena in Microscale and Biomedical Applications using
Ferrofluids”**
Professor Ishwar Puri, Mechanical Engineering,
University of Illinois at Chicago
- Nov. 21 **"Droplet Spray Diffusion Flame"**
Yoram Tambour, Stephen Berger Chair Professor in Aeronautical Engineering,
Technion, Israel (Location TBA)
- Dec. 5 **“Wireless Acoustic Sensors and Developing the US S&E Workforce for the 21st
Century”**
Dr. Vasundara V. Varadan
Division Director, Electrical & Communications Systems
The National Science Foundation (Location TBA)