



**Department of Mechanical Engineering
Spring Term 2009
Time: 2:30-3:30 pm, ITE 233
(FINAL)**

Dr. Peter W. Lucas

Professor
Department of Anthropology
George Washington University

Title: Hard object feeding by mammals: parallels in the designs of teeth and hard foods

Feb 6

Host: Dwayne

Dr. Gregory S. Chirikjian

Professor,
Department of Mechanical Engineering,
Johns Hopkins University

Title: Stochastic Models and Lie Groups

Feb 13

Host: Haijun

Dr. Larry Howell

Professor and past Chair,
Department of Mechanical Engineering
Brigham Young University

Title: Compliant Mechanisms – Opportunities and Challenges

Feb 20

Host: Haijun

Dr. Aditi Chattopadhyay

Professor,
Department of Mechanical and Aerospace Engineering
Director, Adaptive Intelligent Materials & Systems (AIMS) Center
Arizona State University

Title: A Multidisciplinary Approach to Structural Health Monitoring and Prognosis of Aerospace Components

Feb 27

Host: Weidong

Dr. Cristina Amon

Dean, Professor,
Applied Science and Engineering
University of Toronto

Title: TBD

Mar 6

Host: Dawn

Dr. Mustapha S. Fofana

Associate Professor,
Department of Mechanical and Manufacturing Engineering
Worcester Polytechnic Institute

Title: TBD

Mar 13

Host: Shlomo

Mar 20 (spring break)

Dr. David Erickson

Assistant Professor,
Sibley School of Mechanical and Aerospace Engineering
Cornell University

Title: TBD

Mar 27

Host: Dawn

Dr. Derek Warner

Assistant Professor
School of Civil and Environmental Engineering
Cornell University

Title: TBD

April 3

Host: Marc

Dr. Sheryl Ehrman

Associate Professor, Associate Chair and Graduate Program Director
Department of Chemical and Biomolecular Engineering
University of Maryland College Park

Title: High temperature annealing and low temperature nanonecks: towards stronger nanoporous films

April 10

Host: Ronghui

Dr. Victor Giurgiutiu

Program Manager, Structural Mechanics
Air Force Office of Scientific Research (AFOSR)

Title: Structural Mechanics Program of the Air Force Office of Scientific Research - Fundamental Basic Research Issues and Challenges

April 17

Host: Weidong

Dr. James L. Drummond

Director, Dental Materials and Biomaterials Program Integrative Biology and Infectious Diseases Branch National Institute of Dental and Craniofacial Research,
National Institutes of Health, DHHS

Title: Confined compression in dental composites

April 24

Host: Dwayne

Dr. Sridhar Krishnaswamy

Professor, Department of Mechanical Engineering
Director, Center for Quality Engineering & Failure Prevention
Northwestern University

Title: Intelligent Structural Health Management of Safety-Critical Structures

May 1

Host: Weidong

Dr. Earl Dowell

JA Jones Professor,
Mechanical Engineering and Materials Sciences
Duke University

Title: Nonlinear Aeroelasticity of Current and Future Aerospace Vehicles

May 8

Host: Weidong