



Department of Mechanical Engineering
Spring Term 2008
Time: 2:30-3:30 pm, Location ITE 227

Dr. Craig Steeves Post-Doctoral Researcher University of California Santa Barbara, Evans Engineering Group Title: <i>The Design, Construction, and Testing of a Morphing Supersonic Wind Tunnel</i>	February 8th Host: Dr. Marc Zupan
Dr. Krystyn Van Vliet Lord Foundation Assistant Professor MIT Department of Materials Science & Engineering Title: <i>Chemomechanics at the Cell-Material Interface: Lessons from Stressed Polymers</i>	February 15th Host: Dr. Charles Eggleton
Dr. Dan Segalman Distinguished Member of Technical Staff Sandia National Laboratories Title: <i>Model Reduction in Nonlinear Structural Dynamics</i>	February 22nd Host: Dr. Weidong Zhu
Dr. Ahmed Shabana Richard and Loan Hill Professor of Engineering Department of Mechanical and Industrial Engineering, University of Illinois at Chicago Title: <i>Integration of Large Deformation Finite Element and Multibody System Algorithms</i>	February 29th Host: Dr. Weidong Zhu
Dr. Eliot Winer Assistant Professor of Mechanical Engineering Iowa State University Title: <i>Heuristic Optimization and Virtual Reality: Solving Complex Design Problems in Applications from Medicine to Military</i>	March 7th Host: Dr. Haijun Su
Dr. Olav Thulesius M.D./Ph.D. Faculty of Medicine University Hospital, Linköping, Sweden Title: <i>New Methods for Treatment of Stroke with Selective Brain Cooling</i>	March 14th Host: Dr. Liang Zhu
SPRING BREAK – NO SEMINAR	March 21st

<p>Dr. Albert Jin Biophysicist at the Laboratory Bioengineering and Physical Science (LBPS) National Institute of Biomedical Imaging and Bioengineering National Institutes of Health Title: <i>Macromolecular Studies via Atomic Force Microscopy</i></p>	<p>March 28st Host: Dr. Dawn Bennett</p>
<p>Dr. Kausik Sarkar Associate Professor of Mechanical Engineering University of Delaware Title: <i>Contrast Microbubbles for Ultrasound and Cell Adhesion</i></p>	<p>April 4th Host: Dr. Charles Eggleton</p>
<p>Dr. Sridhar Kota Professor of Mechanical Engineering University of Michigan Title: <i>Bio-Inspired Compliant Systems: Design and Applications</i></p>	<p>April 11th Host: Dr. Haijun Su</p>
<p>Dr. Govind Rao Professor of Chemical and Biochemical Engineering University of Maryland Baltimore County Title: <i>Sensors and Instrumentation: Collaborative Solutions to Global Challenges</i></p>	<p>April 18th Host: Dr. Panos Charalambides</p>
<p>Dr. Roshdy Barsoum Manager, Explosion Resistant Coating JEERCE ACTD Ships and Engineering Systems Division Office of Naval Research. Title: <i>High Strain Rate Behavior of Elastomeric Polymers</i></p>	<p>April 25th Host: Dr. Akhtar Khan</p>
<p>Dr. Ben Shapiro Associate Professor Department of Aerospace Engineering The University of Maryland Title: <i>Flow Control on the Microscale For Electrowetting, Particle Steering, and Magnetically Targeted Chemotherapy</i></p>	<p>May 2nd Host: Dr. Dawn Bennett</p>
<p>Dr. Kathy Lu Assistant Professor Department of Materials Science and Engineering Virginia Tech Title: <i>An Integrated Approach in Search of Innovative Solid Oxide Fuel Cell Seals</i></p>	<p>May 9th Host: Dr. Ronghui Ma</p>
<p>Dr. Avraham Shitzer The James H. (Jimmy) Belfer Chair Department of Mechanical Engineering Technion, Israel Institute of Technology Title: <i>Overview of Bio-Heat Transfer</i></p>	<p>May 16th Host: Dr. Shlomo Carmi</p>