

# UTA Materials Science and Engineering Department Seminar Series - Fall 2013

Nedderman Hall - Room 100 at 11:00 am (refreshments will be served at 10:40 am)

Sept. 13	<b><i>MATERIALS FOR MEDICAL IMPLANT APPLICATIONS: Current Status, Challenges, and Opportunities</i></b> <b>Dr. Rena Bizios</b> - Peter T. Flawn Professor Department of Biomedical Engineering, University of Texas at San Antonio
Sept. 20	<b><i>Nanomedicine and New Molecular Medical Devices</i></b> <b>Dr. Rudledge Ellis-Behnke</b> - Director Nanomedicine Translational Think Tank, Medical Faculty Mannheim University of Heidelberg, Germany & Department of Brain & Cognitive Sciences, MIT
Sept. 27	<b><i>The Outlook for Energy: A View to 2040</i></b> <b>Ms. Lynne D. Taschner</b> - Energy Advisor Corporate Strategic Planning, Exxon Mobil Corporation
Oct. 4	<b><i>Micro/Nanomaterials and Systems for Precision Biology and Medicine</i></b> <b>Dr. Kyungsuk Yum</b> - Assist. Professor Materials Science and Engineering Department, University of Texas at Arlington
Oct. 11	<b><i>Towards Organic Electronics: Methods for the Selective Deposition of Semiconductors and Metals</i></b> <b>Dr. Amy V. Walker</b> - Assoc. Professor Materials Science and Engineering Department, University of Texas at Dallas
Oct. 18	<b><i>Atomistic Modeling of Nanoindentation and Understanding of Dislocation Mechanisms in Crystalline Materials</i></b> <b>Dr. Zhiqiang Wang</b> - Assist. Professor Materials Science and Engineering Department, University of North Texas
Oct. 25	<b><i>Dynamics in a Broad Scale</i></b> <b>Dr. Valentine I. Vullev</b> - Assoc. Professor Departments of Bioengineering, Chemistry, and Biochemistry, and Materials Science and Engineering Program, University of California, Riverside
Nov. 1	<b><i>Mechanism of Bone Remodeling in Normal and DMP-1 Deficient Mice and Role of <math>Si4+</math> in Bone Remodeling</i></b> <b>Dr. Pranesh Aswath</b> - Professor and Assoc. Dean Materials Science and Engineering Department, University of Texas at Arlington
Nov. 8	<b><i>Integrated Optics in Silicon</i></b> <b>Dr. Steven J. Spector and Dr. Michael W. Geis</b> MIT Lincoln Laboratory
Nov. 15	Seminars by MSE Graduate Students
Nov. 22	No Seminar - Thanksgiving Holiday
Nov. 29	Seminars by MSE Graduate Students