Materials Science & Engineering Department
College of Engineering
Materials Seminar Series
Fall 2012

Nedderman Hall Room 108
All seminars are at 10:00 am on Fridays
Refreshments will be served outside the meeting room at 9:40 am.

INVITED SPEAKERS

September 7

Dr. John Randall, President
Zyvex Labs, Richardson, Texas
Understanding the History of Human Technological Progress and the Road Ahead

September 14

Prof. Nandika D'Souza
Materials Science and Engineering
University of North Texas
Biopolymers and Natural fiber Composites for Renewable and Sustainable Bioproducts

September 21

Mr. Arthur Lowry, Manager
ExxonMobil Corporation
The Outlook for Energy: A View to 2030

September 28

Prof. Jeffery L. Coffer
Chemistry Department
Texas Christian University
Porous Silicon Particles, Composites, and Nanotubes: Fundamental Properties of Utility to Medical Therapies

October 5

Prof. Xun Yu
Mechanical and Energy Engineering
University of North Texas
Integration of Nanotechnology, Sensors, Actuators and Controls

October 12

Prof. Weidong Zhou
Electrical Engineering Department
University of Texas at Arlington

Transfer Printed Photonic Crystal Fano Resonance Nanomembrane Lasers on Silicon

October 19

Prof. N.Y. Chen, National Academy of Engineering
Materials Science and Engineering Department
University of Texas at Arlington

Environmentally Friendly Oil Refining Complex

October 26

Prof. Venu Varanasi
Biomedical Sciences, Baylor College of Dentistry
Texas A&M Health Science Center

Combinatorial and Synergistic Influence of Materials on Biological Processes

November 2

Prof. Haiying Huang
Mechanical Engineering Department
University of Texas at Arlington

Study of Surface Roughness Evolution During Fatigue

November 9

Prof. Navid Saleh
Civil & Environmental Engineering Department
University of South Carolina

Environmental Applications and Implications of Nanomaterials

November 16

Prof. Baohong Yuan
Bioengineering Department University of Texas at Arlington

High-resolution Imaging in a Deep Turbid Medium Based on an Ultrasound-switchable Fluorescence Technique

November 23

No seminar – Thanksgiving Holiday

November 30

Prof. Yaowu Hao
Materials Science and Engineering Department
University of Texas at Arlington

Au Nanostructures for Bioapplications