



# Nanotechnology

## Graduate Program

### Nanotechnology Seminar Series – Fall 2007

Seminars are Wednesdays at 11am in BURCHARD 118.

Date	Title/Speaker	Sponsor/Host
9/5/07	<b>Societal Implications of Fourth Generation Nanotechnology: Molecular Manufacturing</b> Mike Treder, Executive Dir., Center for Responsible Nanotechnology	NGP Prof. Fisher, x8913
9/12/07	<b>No seminar – NGP Faculty meeting</b>	----
9/19/07	<b>Assembled Nanostructures: Engineering mechanical, electrical and biological properties of nanomaterials</b> Nicholas Kotov, University of Michigan	Mech. Eng. Prof. Fisher, x8913
9/26/07	<b>Development of carbon nanotube-based nanostructures</b> Haim Grebel, NJIT	PEP Whittaker, x5707
10/3/07	<b>Pharmaceutical Materials Science - Use of nanotechnologies for drug delivery</b> Dr. Parag Shah, Pfizer Inc	CBME Prof. Du, x5262
10/10/07	<b>Use of Silicon, Glass, Gold and ITO Interfaces: For Near-Field Opto-Electro-Mechanical Biosensors</b> Kenneth D. Kihm, University of Tennessee	Mech. Eng. Prof. Choi, x5579
10/17/07	<b>Synthesis/application of nanoparticles for in situ immobilization of mercury, chromate and lead in soils, sediments and groundwater</b> Don Zhao, Auburn University of Tennessee	CEOE Prof. Wazne, x8993
10/24/07	<b>Interband cascade lasers: From concept to devices and applications</b> Rui Q. Yang, University of Oklahoma	PEP Prof. Strauf, x56397
10/31/07	<b>Nanometric objects as labeling strategies in dense immunodiagnostic platforms</b> Marc Porter, Arizona State University	CCB Professor Sukhishvili, x5544
11/7/07	<b>Single molecule detection using Raman spectroscopy with Ag nanocrystal local field antennas</b> Louis Brus, Columbia University	CBME Prof. Du, x5262
11/14/07	<b>Site-specific, size-dependent reactivity at mineral-water interfaces</b> James Rustad, University of California at Davis	CEOE Prof. Wazne, x8993
11/21/07	<b>No seminar – Happy Thanksgiving</b>	---
11/28/07	<b>Field emission properties of Carbon Nanotubes</b> David Hsu, Naval Research Laboratory	Mech. Eng. Prof. Shi, x5594
12/5/07	<b>Single Molecule and Nano Scale Probing Using Surface Enhanced Raman Scattering</b> Katrin Kneipp, Harvard Medical School	NGP Prof. Wang, x8306

Coordinator: Prof. Frank Fisher, Mechanical Engineering, x8913