

SPRING 2008 SEMINAR SERIES **DEPARTMENT OF CHEMICAL & BIOMEDICAL ENGINEERING**

ENC 1002, Fridays from 2-3PM

January 11	Professor Kirk J. Ziegler	Chemical Engineering, University of Florida <i>Manipulating and Integrating One-Dimensional Nanostructures</i>
January 18	Dr. Venkata Krishna Kumar Upadhyayula	Doosan Hydro Technology Inc., Tampa <i>Application of Carbon Nanotubes for Concentration and Detection of Pathogens in Water Systems</i>
January 25 Graduate Student Speakers	Mr. Stefan Cular and Mr. Ala'a Kababji 1) <i>Acoustic Wave Sensor Systems for Biological and Chemical Sensing</i> 2) <i>Advanced Heterogeneous Catalysts: Synthesis Characterization and Evaluation of Co/Silica-supported catalysts for Fischer-Tropsch synthesis</i>	Chemical & Biomedical Engineering, USF
February 1 with NSF IGERT	Professor Peter Hesketh <i>Microfabricated Cantilever Sensors and Microfluidics for Magnetic Bead Based Biosensing</i>	Mechanical Engineering, Georgia Tech
February 8 Graduate Student Speakers	Mr. Jonathan Mbah and Ms. Raquel Carvallo 1) <i>Hydrogen Sulfide Decomposition via a Thin-Membrane Solid-State Electrolytic Cell</i> 2) <i>Microencapsulation of Particles with Chitosan</i>	Chemical & Biomedical Engineering, USF
February 15	No Seminar - Engineering Expo	
February 22 with NSF IGERT	Professor Elisabeth Smela <i>Polymer Actuators for the Micro-scale</i>	Mechanical Engineering, University of Maryland
February 29 with NSF IGERT, NIH MARC U STAR	Professor Andrea S. Gobin <i>Use of Instructional Biomaterials for Vascularized Scaffolds</i>	Bioengineering, University of Louisville
March 7 & 14	No seminar (SPRING BREAK)	
March 21 Graduate Student Speakers	Ms. Jeffy Jimenez and Mr. Cecil Coutinho 1) <i>Destabilizing Aggregation Conditions of Aβ Proteins: Alzheimer's disease Passive Immunotherapy</i> 2) <i>Functional Composites of Polymeric Microgels and Titanium Dioxide Nanoparticles</i>	Chemical & Biomedical Engineering, USF
March 28	Professor Manolis M. Tomadakis <i>Random Walk Simulation Techniques for Estimating Transport, Reaction, and NMR Relaxation Properties of Porous Media</i>	Chemical Engineering, Florida Institute of Technology
April 4 with NIH MARC U STAR	Professor Roberto Z. Guzman <i>Self-Assembled Reversible and Directional Bio-Molecular Templates for Development of Nano-Interconnect Structures</i>	Chemical & Environmental Engineering, University of Arizona
April 11	Professor John Wiencek <i>Assessing Insulin Association State within Technosphere® Insulin Formulations</i>	Chemical & Biomedical Engineering, USF
April 18	Professor Talat S. Rahman <i>On Factors that may facilitate or hinder the Reactivity of Surface Oxides</i>	Physics, University of Central Florida