

## NREC Spring 2011 Seminars

### **From Molecules to Advanced Materials and their Applications**

**Gunnar Westin , Ph.D.**

Professor in the Department of Materials Chemistry at Uppsala University, Uppsala Sweden

**Date: Thursday, January 20th, 2011**

**Time: 1:30 pm-2:30 pm Location: ENB 118**

### **Post-Secondary Nanotechnology Education and Workforce Development in the US**

**Stephen J. Fonash, Ph. D.**

Nanotechnology Applications and Career Knowledge (NACK) Center Penn State University

**Date: Thursday, January 27th, 2011**

**Time: 10:30 am-11:30 am Location: University of South Florida, Tampa Campus. Center for Urban Transportation Research Building (CUTR 102)**

### **Exploration of Light and Carrier Collection Management Solar Cells**

**Stephen J. Fonash Ph. D.**

Nanotechnology Applications and Career Knowledge (NACK) Center Penn State University

**Date: Thursday, January 27th, 2011**

**Time: 2:00 pm-3:00 pm Location: CUTR 102**

### **Photonics and Nanotechnology for Telecommunication and Sensors**

**Antao Chen, Ph. D.**

Applied Physics Laboratory and Electrical Engineering Department University of Washington, Seattle, WA

**Date: Monday, February 14th, 2011**

**Time: 12pm noon—1:30pm Location: CUTR 102**

**AlN Piezoelectric NanoElectroMechanical Resonators and Switches for RF Signal Processing, Sensing and Computing**

**Gianluca Piazza, Ph.D.**

University of Pennsylvania, Department of Electrical and Systems Engineering

**Date: March 25th, 2011**

**Time: 1:30 pm-2:30pm Location:**

**CUTR 102**

**Atomic Force Microscopy for Nanoscale Biophysical Studies and Nanomedicine**

**Ratneshwar Lal Ph. D.**

Professor of Mechanical/Aerospace and Bioengineering University of California, San Diego  
Jacobs School of Engineering

**Date: Friday, April 1st, 2011**

**Time: 11:00 am-12:00 pm**

**Location: ENB 109**

**Processing of Nanomaterials Using Supercritical Fluids**

**Changchun Zeng Ph. D.**

Professor of Industrial and Manufacturing Engineering of FAMU-FSU College of Engineering ,  
and High Performance Materials Institute of Florida State University

**Date: Friday, April 8th, 2011**

**Time: 11:00 am-12:00 pm**

**Location: CUTR 102**