



Seminar Schedule 2010 to 2011

260 Bagley Hall Tuesdays 12:30 to 1:20 p.m.

8/3/2010

Charge distribution near oxygen vacancies in cerium oxides
Prof. Ross McKenzie, University of Queensland, Australia -- Dept of Physics

9/17/2010

Scanning Probe Force Spectroscopy at Liquid-Solid Interfaces
Prof. Hiroshi Onishi, Kobe University -- Dept of Chemistry

10/5/2010

Plasmon Coupling Microscopy for Subdiffraction Limit Imaging and Sensing
Prof. Bjoern Reinhard, Boston University -- Dept. of Chemistry

10/12/2010

Magnetic Nanoparticles for Magnetic Resonance Imaging
Assoc. Prof. Hui Mao, Emory University -- Dept. of Radiology

10/19/2010

Theranostic nanoparticles for targeted cancer therapy and imaging
Assoc. Prof. Lily Yang, Emory-Georgia Tech -- Surgical Oncology Research

10/26/2010

In Vivo Detection of Dysplasia in the Digestive Tract using Fluorescent-labeled Peptides
Asst. Prof. Thomas D. Wang, University of Michigan Health System -- Division of Gastroenterology

11/2/2010

Designer Nanoparticles for Drug Delivery: Physical Answers to Biological Questions
Prof. Samir Mitragotri, University of California, Santa Barbara -- Chemical Engineering

11/9/2010

Graphene Optoelectronics and Plasmonics
Asst. Prof. Xiaodong Xu, University of Washington -- Dept. of Physics

11/16/2010

Multifunctional Nanostructures: Tuning Optical and Magnetic Properties through Defect Manipulation
Asst. Prof. Pavle Radovanovic, University of Waterloo, Ontario -- Dept. of Chemistry

11/30/2010

The Fanconi anemia-BRCA pathway and chemosensitivity of cancer cells
Toshiyasu Taniguchi, MD, PhD, Fred Hutchinson Cancer Research Center -- Divisions of Human Biology and Public Health Science

12/7/2010

Science and Engineering of Single Domain and Domain Wall in Strongly Correlated Electron Materials
Asst Prof. Junqiao Wu, University of California, Berkeley -- Dept. of Materials Science and Engineering

1/4/2011

Overview of MoE Initiative

Prof. Patrick S. Stayton, University of Washington -- Dept. of Bioengineering

1/11/2011

Shape-Controlled Platinum Alloy Nanocrystal Electrocatalysts

Assoc. Prof. Hong Yang, University of Rochester -- Dept of Chemical Engineering

1/18/2011

Nano-scale Solutions in Catalysis and Photo-Catalysis

Asst. Prof. Suljo Linic, University of Michigan -- Dept. of Chemical Engineering

1/25/2011

Exploring the interaction of molecular and plasmonic resonances from a practical and rigorous theoretical perspective

Asst. Prof. David J. Masiello, University of Washington -- Dept of Chemistry

2/1/2011

CANCELLED

2/8/2011

Collective Plasmon Modes in Nanoparticle Assemblies

Asst. Prof. Stephan Link, Rice University -- Dept. of Chemistry

2/15/2011

Slicing tissue with photons: visualizing 3D tissue microstructure and microvasculature

Prof. Ruikang K Wang University of Washington -- Dept of Bioengineering

2/22/2011

Silicon Nanophotonics and Interfacial Engineering: Applications in Biosensing and Glycomics

Asst. Prof. Daniel M. Ratner, University of Washington -- Dept. of Bioengineering

3/1/2011

Optimizing Gene Delivery with Quantum Dot-FRET Technology and Microfluidics-mediated Self-assembly

Prof. Kam W. Leong, Duke University -- Department of Biomedical Engineering

3/8/2011

Rational Design and Nanoscale Integration of Multifunctional Nanostructures

Asst. Prof. Xiangfeng Duan, UCLA -- Dept. of Chemistry and Biochemistry

3/29/2011

Nanomanufacturing: Manipulation and Characterization of Nanomaterials inside SEM

Prof. Yu Sun, University of Toronto -- Dept. of Mechanical and Industrial Eng.

4/5/2011

Viral Capsid Proteins as Self-Assembled Tumor-Targeted Nanoparticles

Assoc. Prof. Lali K. Medina-Kauwe, Cedars-Sinai Medical Center -- Dept. of Biomedical Sciences

4/12/2011

Photocurrent And Noise Analysis as Alternative Approaches to Understanding OFET Behavior

Asst. Prof. Ioannis (John) Kymissis, Columbia University SEAS -- Dept. of Electrical Engineering

4/19/2011

Self-assembly and directed assembly: Tools for current challenges in nanofabrication

Prof. Chris Ober Cornell University -- Material Science and Engineering

4/26/2011

Photoluminescence of Intra-band Gap States in Nanocrystalline TiO₂: Defects and Carrier Transport

Prof. Jeanne L. McHale Washington State University -- Dept. of Chemistry

5/3/2011

Measuring Holes and Gaps with Ion Conductance Microscopy

Asst. Prof. Lane A. Baker, Indiana University -- Chemistry Department

5/10/2011

Designing, Measuring, and Controlling Molecular and Supramolecular Devices

Prof. Paul S. Weiss, University of California, Los Angeles -- NanoSystems Sciences

5/17/2011

Assembly and growth of carbon nanostructures: C70 cube crystals and catalyst-free synthesis of graphene on dielectric substrates

Assoc. Prof. Hee Cheul Choi, Pohang University of Science and Technology -- Dept. of Chemistry

5/24/2011

The Road to Low-Cost and High-Efficiency Solar Cells via Colloidal Nanomaterials

Professor Hugh W. Hillhouse, University of Washington -- Dept. of Chemical Engineering

5/31/2011

Plasmonic Metamaterials and Their Applications in Biosensing and Energy Harvesting

Qiuming Yu, University of Washington -- Dept. of Chemical Engineering

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