

SPRING 2014 NANO HOUR SEMINAR SERIES

3:00 pm - Beckman Institute - Room 3269

FEBRUARY 12

Vincent Dorgan, Electrical and Computer Engineering (Eric Pop)

Velocity Saturation and Negative Differential Conductance in Two-Dimensional MoS₂ Transistors

Yang Song, Chemistry (Jeff Moore)

Multivalent Macromolecules Redirect Nucleation-dependent Fibrillar Assembly into Nanospheres

FEBRUARY 26

Meng Zhang, Physics (Brian Cunningham)

External Cavity Laser Label-Free Biosensor

Jason Patrick, Civil Engineering (Nancy Sottos/Scott White)

Self-healing in Structural Composites via Bioinspired Microvascular Networks

MARCH 12

Aaron Routzahn, Chemistry (Prashant Jain)

Single Particle Investigations of Chemical Reactions

Justin Koepke, ECE (Joe Lyding)

Synthesis of Hexagonal Boron Nitride: Roles of Growth Pressure and Cu Substrate Crystallography

APRIL 2

Dr. Sam Lohse, Chemistry (Cathy Murphy)

Functionalized Gold Nanoparticles as Probes to Investigate the Connection between Nanoparticle Surface Chemistry and Biocompatibility

APRIL 16

Adrian Radocea, Materials Science and Engineering (Joe Lyding)

Novel route towards the fabrication of graphene antidot lattices

Jui-Nung Liu, Electrical and Computer Engineering (Brian Cunningham, Rohit Bhargava)

Engineering Narrowband Guided Fano Resonances Inherent in the Large-Area Mid-Infrared Photonic Crystal Microresonators for Spectroscopic Imaging

APRIL 23

Duc Nguyen, Chemistry (Martin Gruebele)

Determining the energy landscape of a glass surface by directly imaging its dynamics

Yue Zhuo, Bioengineering (Brian Cunningham)

Single Nanoparticle Detection using Photonic Crystal Enhanced Microscopy

Coffee and cookies will be served

<http://nanohour.beckman.illinois.edu>