

The Center for Probing the Nanoscale presents:

The 3rd Annual Nanoprobes Workshop

Bechtel Conference Center, Encina Hall, 616 Serra Mall
Stanford University

Friday, March 23rd, 2007

Program

- 8:30-9:00 Continental Breakfast
- 9:00-9:10 **CPN Overview - Dr. Kyle Cole, CPN Associate Director**
- 9:10-9:50 **Professor Michael Roukes, California Institute of Technology**
"Advances in Nanoelectromechanical Systems"
- 9:50-10:30 **Professor Krystyn Van Vliet, Massachusetts Institute of Technology**
"Chemomechanical Mapping of Molecular Distributions on Living Cells Surfaces"
- 10:30-10:50 **Break**
- 10:50-11:30 **Professor Ellen D. Williams, University of Maryland**
"Resolving Electron Flow and What It Means for Nanoelectronics"
- 11:30-12:10 **Professor Amir Yacoby, Harvard University**
"Graphene - What's in There?"
- 12:10-1:10 **Lunch**
- 1:10-1:50 **Professor Wolfgang Wernsdorfer, Laboratoire Louis Néel-CNRS, Grenoble, France**
"Quantum Dynamics in Single-Molecule Magnets-Towards Molecular Spintronics Using NanoSQUIDS"
- 1:50-2:30 **Professor Steve Block, Stanford University**
"Single Molecule Studies on Molecular Motors with Angstrom Accuracy"
- 2:30-2:50 **Break**
- 2:50-3:30 **Dr. Ahmet Yildiz, University of California, San Francisco**
"Single Molecule Fluorescence Measurements on Motor Protein Movement"
- 3:30-4:10 **Professor Scott Manalis, Massachusetts Institute of Technology Media Laboratory**
"Microdevices for Single Cell and Biomolecular Detection"
- 4:10-6:00 **Poster Session with Food and Beverages served**



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