

The Center for Probing the Nanoscale presents:

## The 4<sup>th</sup> Annual Nanoprobes Workshop

Arillaga Alumni Center, McCaw Hall, 326 Galvez Street,  
Stanford University

Friday, May 23<sup>rd</sup>, 2008

### Program

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- 8:30-8:50 **Continental Breakfast**
- 8:50-9:00 **CPN Overview - Dr. Kyle Cole, CPN Associate Director**
- 9:00-9:35 **Thomas F. Kelly, Imago Scientific Instruments Corporation**  
"LEAP Tomography of Materials"
- 9:35-10:10 **Jeff Hawthorne, Qcept Technologies, Inc.**  
"Semiconductor Wafer Inspection Using Scanning Potential Difference Imaging"
- 10:10-10:25 **Break**
- 10:25-11:00 **Liesl Folks, Hitachi Global Storage Technology**  
"Localized Magnetic Field Sensitivity of Shallow InAs Nanoscale Hall Crosses"
- 11:00-11:35 **C. Michael Garner, Intel Corporation**  
"Metrology Challenges for Beyond CMOS Devices and Materials"
- 11:35-12:10 **Harald Hess, Janelia Farms, Howard Hughes Medical Institute**  
"Nanoscale Measurement Examples in Biology: Sub-Diffractive Imaging and the Fly Brain Challenge"
- 12:10-1:10 **Lunch**
- 1:10-1:45 **Ozgur Sahin, Rowland Institute at Harvard**  
"Microsecond Force Spectroscopy of Molecules and Nanomaterials"
- 1:45-2:20 **Sang-il Park, Park Systems Corporation**  
"Probing the Nanoscale with Advanced AFM/SPM"
- 2:20-2:40 **Break**
- 2:40-3:15 **Andy Erickson, MultiProbe Inc.**  
"Nanoscale Probing Applications for a Multiple Probe AFM"
- 3:15-3:50 **Jeff Rosner, Agilent Technologies**  
"Biophysics Looking Forward from the Past: Single Cells and Statistics"
- 3:50-6:00 **Poster Session and Reception**



**Agilent Technologies**