



Principles and Practice of Nanomaterials Characterization

December 19-29, 2011, Arizona State University

Date Time Location	Name, Title and Description
December 19 9 am – noon PSH135	Peter Williams Secondary Ion Mass Spectrometry: Theory and Practice
December 19, 2 pm – 5 pm PSH135	Peter Williams Secondary Ion Mass Spectrometry: Theory and Practice SIMS tour
December 20 9 am – noon PSH135	David J. Smith Characterizing Nanostructures using Electron Microscopy
December 20 2 pm - - 5 pm ERC-131	Gio Esteves and Stefan Myhajlenko Field Emission Scanning Electron Microscopy and X-Ray Microanalysis of Semiconductor Materials: Failure Analysis of Wire Bonding - Metallization to Electronic Device
December 21 9 am – noon PSH135	Robert J. Nemanich Growth Dynamics of Silicide Nanostructures by UV Photo Electron Emission Microscopy (PEEM)
December 21 2 pm – 5 pm ERC-131	Gio Esteves and Stefan Myhajlenko Field Emission Scanning Electron Microscopy and X-Ray Microanalysis of Semiconductor Materials: Failure Analysis of Wire Bonding - Metallization to Electronic Device
December 22 9 am – noon PSH-135	Barry J. Wilkens Short Course on Ion Beam Analysis
December 22 2 pm – 5 pm GWC B34	Barry J. Wilkens Lab demonstrations: RBS and Ion Beam Analysis
December 23 9 am – noon PSH135	Petra Fromme Femtosecond Nanocrystallography of Membrane Proteins
December 23 2 pm – 5 pm	Individual Meetings and Library Research
December 26 9 am – 5 pm PSH135	Anatoli Korkin Bridging Science and technology Development and Commercialization
December 27 9 am – 5 pm	Anatoli Korkin Individual Consultations and Field Trip

December 28 9 am – noon PSH-135	Jeff Yarger Fundamentals of Magnetic Resonance of Materials
December 28 2 pm – 5 pm PSH-135	Jeff Yarger and Greg Holland NMR of Ligand Capped Nanoparticles
December 29 9 am – noon ISTB1-L2-63	Brian Cherry, Greg Holland and Jeff Yarger NMR labs
December 29 2 pm – 5 pm ISTB1-L2-63	Brian Cherry, Greg Holland and Jeff Yarger NMR Labs