

2006 NSLS SEMINARS

- 1/11/2006 Interim Controls Upgrade for Measuring Noise and Detecting Glitches in Magnet Power Supplies at the APS Storage Ring
Surajit Sarkar, Massachusetts General Hospital
- 1/13/2006 Control and Noise Immunity for High-Resolution Experiments
Jinyang Liu, University of New Mexico
- 1/17/2006 Resonant X-ray Magnetic Scattering from Nanoscale Magnetic Materials
Richard M. Osgood, III, Lincoln Laboratory, Massachusetts Institute of Technology
- 1/18/2006 Shining Light on the Cause of Alzheimer's Disease
Lisa M. Miller, NSLS-BNL
- 1/30/2006 Synchrotrons Helping Solve the Magnetic Oxide Semiconductor Puzzle
Ives U. Idzerda, Montana State University
- 1/31/2006 Atomic Design and Engineering of Spinel Ferrites for RF and Microwave Device Applications
Vincent Harris, Northeastern University
- 3/10/2006 Progress in the Development of New Optics for Very High Resolution Inelastic X-ray Scattering Spectroscopy.
Yuri Shvyd'ko, Argonne National Laboratory
- 3/13/2006 Adsorption of Protein GlnB of *Herbaspirillum Seropedicae* on Silicon Using Spin-Coating Technique
Adriana Lubambo, Universidade Federal do Parana, Curitiba, Brazil
- 3/14/2006 New Insights on the Formation of Bone by Synchrotron X-ray Scattering
Christian Burger, Stony Brook University
- 3/14/2006 High-Throughput Crystallography for Drug Discovery - In Practice
Gyorgy Snell, Syrrx/Takeda, San Diego
- 3/21/2006 High-Speed Semiconductor Detectors for the Synchrotron Experiments at LCLS and XFEL
Lothar Strüder, Max-Planck-Institut and University of Siegen, Germany
- 3/21/2006 Subgrain Size, Planar Defects, and Vacancies from X-ray Line Profile Analysis
Tamas Ungar, Eötvös University, Hungary
- 3/28/2006 The Art of Scientific Project Management - An LBNL Perspective
Kem Robinson, Lawrence Berkeley National Laboratory
- 3/28/2006 NSLS-II: Challenges and Opportunities
Steve Dierker, Brookhaven National Laboratory
- 3/28/2006 An Introduction to X-ray Absorption Spectroscopy in Enviro-, Geo-, and Biosciences
Paul Northrup, Brookhaven National Laboratory
- 3/29/2006 Superconducting Undulator Development
Kem Robinson, Lawrence Berkeley National Laboratory
- 4/4/2006 Biological Applications of Bench-top and Synchrotron-based Micro-Computed Tomography: PIRL's Twelve-Year Experience
Steve Jorgensen, Mayo Clinic College of Medicine

2006 NSLS SEMINARS

- 4/4/2006 The Generation of Short Electron Bunches and Coherent Synchrotron Radiation in the BESSY Storage Ring
Godehard Wuestefeld, BESSY, Germany
- 4/17/2006 Observation of Surface Layering in a Normal Dielectric Liquid
Haiding Mo, Northwestern University
- 4/20/2006 Imaging Magnetic Nanostructures via Resonant Soft X-ray Spectro Holography
Olav Hellwig, Hitachi Global Storage Technologies
- 4/20/2006 Interpretation of Complex Images in Coherent X-ray Diffraction
Ian Robinson, University College, London, United Kingdom
- 4/24/2006 Perspectives in meV Resolved Inelastic X-Ray Scattering
Alfred Baron, Harima RIKEN and SPring-8/JASRI, Japan
- 4/25/2006 Nonintercepting, Time-resolved Imaging Diagnostics for Multi-GeV Beams
Alex Lumpkin, Argonne National Laboratory
- 4/26/2006 X-ray Imaging at a 3rd Generation Synchrotron
Qun Shen, Argonne National Laboratory
- 4/27/2006 Status of High Energy X-ray Microfocusing at the ESRF: Pathways for Nanofocusing
Anatoly Snigirev, ESRF, France
- 5/2/2006 Resonant Soft X-ray Scattering and Resonant Soft X-ray Reflectivity: New Tools for the Characterization of Organic Materials
Harald Ade, North Carolina State University
- 5/4/2006 Calculation of Beam Impedance for Long Tapers and Short Bunches
Gennady Stupakov, SSRL, SLAC
- 5/19/2006 Si-Ge Thin Film Engineering
J. Burnette, North Carolina State University
- 5/23/2006 Liquid Crystals in Random Environments
Dennis Liang, Johns Hopkins University
- 5/31/2006 Multilayer Laue Lenses - a Path Towards Nanometer Focusing of X-rays
Jorg Maser, Argonne National Laboratory
- 6/8/2006 Current State and Fundamental Limitations of Focusing Hard X-rays with Refractive Optics
Christian Schroer, Institute of Structural Physics Dresden, Germany
- 6/14/2006 Accelerator Physics Aspects of Crab-Cavity-Based Production of Picosecond X-ray Pulses
Michael Borland, Argonne National Laboratory
- 6/15/2006 The New PEEM at the Swiss Light Source
Christoff Quitmann, Swiss Light Source, Switzerland
- 6/21/2006 Surface and Interface Studies Using High Energy X-rays
Harald Reichert, Max Planck Institute, Germany
- 6/22/2006 Tailoring the Self-assembly of Small Molecules in Complex Structures in Bulk and at Interfaces
Raluca I. Gearba, Institut de Chimie des Surfaces et Interfaces (ICSI), France

2006 NSLS SEMINARS

- 6/22/2006 Strategy Towards Nanometer Size Beams with Reflective Optics
Olivier Hignette, ESRF, France
- 6/27/2006 Hierarchical Self-assembly of Plant Viruses for Materials Development
Qian Wang, University of South Carolina
- 7/7/2006 New Generation of Instruments for Spin Polarized Electron Spectroscopy: Ultrafast Compact Classical Mott Polarimeter
V.N. Petrov, St. Petersburg State Polytechnical University, Russia
- 7/10/2006 Upgrading and Improving the HERA ep Collider
Ferdinand Willeke, DESY, Germany
- 7/11/2006 The Effect of Alloying Ru into Pt on Bonding Electronics of CO on Pt
Eugene Smotkin, University of Puerto Rico
- 7/25/2006 The Sub-Picosecond Pulse Source: A Retrospective
Dr. Jerome Hastings, SSRL/SLAC
- 8/1/2006 CAMD Light Source: Recent Challenges and Improvements
Mikhail Fedurin, Louisiana State University
- 8/4/2006 Dynamical Theory for X-ray Diffraction and Photonic Crystal Diffraction
Xianrong Huang, Stony Brook University
- 8/4/2006 Blazed Gratings and Minimal Zone Plates
Li Jiang, Louisiana State University
- 9/5/2006 Femtosecond Electron Diffraction: Probing Structural Dynamics on the Fundamental Timescale
Jianming Cao, Florida State University
- 9/7/2006 Micro-diffraction and Other Novel Probes of Charge Density Wave Transport and Dynamics
Abdel Isakovic, Cornell University
- 9/7/2006 Implementation and Performance Overview of Orbit Feedback Systems at APS
Om Singh, Argonne National Laboratory
- 9/8/2006 The Short Bunches for CSR at MIT-Bates Ring
Dong Wang, Massachusetts Institute of Technology
- 10/6/2006 A Stroboscopic View Inside High-speed Magnetic Materials
William Bailey, Columbia University
- 10/10/2006 GM/CA CAT Beamline Control System for Protein Crystallography at the APS
Sergey Stepanov, Argonne National Laboratory
- 10/18/2006 Bright Photon Beams: Developing New Light Sources
Timur Shaftan, NSLS-BNL
- 11/16/2006 Flexoelectricity in Nematics and Chiral Nematics: Symmetry, Geometry, and Devices
Robert B. Meyer, Brandeis University
- 11/27/2006 Studying the Short and Medium Range Order in Amorphous Metal Systems
Stephan Hruszkewycz, Johns Hopkins University

2006 NSLS SEMINARS

- 11/29/2006 The Linac System at LSU CAMD
Yanshan Wang, Louisiana State University
- 11/30/2006 Electronic Reconstruction of the LaMnO_3 - SrMnO_3 Interface
Peter Abbamonte, University of Illinois
- 12/5/2006 Advanced Accelerator R&D at the A0 Photoinjector
Raymond Filler, Fermilab
- 12/14/2006 High Pressure Electronic Properties Investigated by RIXS: From Magnetic Collapse to
Quantum Criticality
Jean-Pascal Rueff, CNRS / Synchrotron SOLEIL, France
- 12/19/2006 X-ray Fluorescence Microscopy of *Saccharomyces Cerevisiae*
Matthew Kidd, University of Michigan

2006 NSLS WORKSHOPS

4/4/2006	X6A Workbench: Advanced Tools for Structural Biology
4/23/2006	RapiData 2006
5/16/2006	Synchrotron Catalysis Consortium: New Opportunities for <i>in situ</i> XAFS Studies of Nanocatalysis
5/16/2006	Soft Matter and Biomolecular Materials: X-ray Scattering Enabled by High Brightness Beamlines
5/16/2006	Nanoscale Correlations Heterostructures
5/17/2006	Chemical and Biological Applications of X-ray Emission Spectroscopy
5/17/2006	Platforms for the Integration of Biological Systems into Nanomaterials and Interfaces
5/17/2006	Vacuum Ultraviolet Radiometry
6/12/2006	Crystallization: Focus on Optimization and High Throughput Techniques
6/19/2006	Discover Nanoscience and Nanoscience for Poets
10/19/2006	Short Course: XAFS Studies of Nanocatalysis and Chemical Transformations