



SRC Users Meeting

October 12-13, 2007

Program

Friday, October 12, PSL Conference Room

8:00 – 8:30 Continental Breakfast (PSL Library)

SESSION 1: Chair – Carol Hirschmugl

8:30 – 8:35 Welcome by the Chair – Carol Hirschmugl

8:35 – 9:05 Wolfgang Eberhardt (Keynote Speaker: BESSY)
Highlights in Science and Materials Research at BESSYII

9:05 – 9:30 Joe Bisognano (SRC)
State of the SRC and Future Light Source

9:30 – 10:00 David Moncton (MIT)
Science and Technology of the Wisconsin Seeded XFEL Project

10:00 – 10:20 **Coffee Break (PSL Library)**

SESSION 2: Aladdin Lamp Award Candidate Talks Chair – Tai C. Chiang

10:20 – 10:50 Utpal Chatterjee (Invited: University of Illinois at Chicago)
New insights from ARPES study on High Temperature Superconductors

10:50 – 11:20 Pavle Juranic (Invited: DESY, Germany)
Multiple Photoionization Studies of Atoms and Molecules Using Ion Time of Flight Spectrometry

11:20 – 11:50 Babasola Ajiboye (Invited: University of Manitoba)
Molecular Speciation of Phosphorus in Organic Amendments and Amended Soils using X-ray Absorption and Nuclear Magnetic Resonance Spectroscopies

11:50 – 12:20 Karl Stuen (Invited: University of Wisconsin Madison)
Imaging Layers for the Directed Assembly of Block Copolymer Films: Dependence of the Physical and Chemical Properties of Patterned Polymer Brushes on Brush Molecular Weight

12:20 – 2:20 **Lunch and Poster Session I (SRC Vault)**

SESSION 3: Chair – Kathy Gough

2:20 – 2:50 Larry Carr (Invited: Brookhaven National Laboratory, NSLS)
Synchrotron Infrared Microspectroscopic Imaging using an Array Detector

2:50 – 3:10 John Joyce (Contributed: Los Alamos National Laboratory)
Electronic Structure of Actinide Oxides

3:10 – 3:30 **Coffee Break (PSL Library)**

SESSION 4: Chair – Scott Whitfield

3:30 – 4:15 Allen Landers (Invited: Auburn University)
The COLTRIMS Collaboration at the Advanced Light Source

4:15 – 4:35 T.K. Sham (Contributed: *University of Western Ontario*)
Canadian Synchrotron Radiation Facility (CSRF) @ SRC, University of Wisconsin-Madison: 25 years of soft x-ray research by Canadian researchers.

4:35 – 4:40 Presentation of Aladdin Lamp Award – T.C. Chiang

4:40 – 4:50 SRC Education and Outreach - Esther Olson

4:50 – 5:00 Guest house changes – Mark Faber

5:00 – 5:45 Business Meeting

6:00 – wee hours of the night **Banquet** (Halverson's, Stoughton)

Saturday, October 13, PSL Conference Room

8:00 – 8:30 Continental Breakfast (PSL Library)

SESSION 5: Chair – T.K. Sham

8:30 – 9:00 Takeshi Kondo (Invited: Iowa State University)
Superconductivity and Renormalization Effects in the Quasi 1D Chains of $YBa_2Cu_4O_8$ High Temperature Superconductor

9:00-9:20 Scott Whitfield (Contributed: University of Wisconsin-Eau Claire)
Angular Distributions of the Xe 5s Subshell in the Region of the Second Copper Minimum

9:20 – 9:40 Kathy Gough (Contributed: University of Manitoba)
Evaluation of Creatine Deposits in TgCRND8 Mouse Brain Tissue By Synchrotron Ftir Spectromicroscopy

9:40 – 10:10 **Coffee Break (PSL Library)**

SESSION 6: Chair –Franz Himpsel

10:10 – 10:30 Enrique Ortega (Contributed: University of the Basque Country)
Matching terrace size and Fermi Wavelength in Ste Superlattices

10:30 – 10:50 Pierre Richard (Contributed: Boston College)
The Electron-Doped Cuprates: Before and After the Reduction Process

10:50 – 11:10 Michael Nasse (Contributed: University of Wisconsin-Milwaukee)
Recent Advances in IR Microspectroscopy at SRC: New Multi-Element Detector & Flow Cell Design

11:10 – 11:30 Prasenjit Guptasarma (Contributed: University of Wisconsin-Milwaukee)
Direct Observation of a Jahn-Teller transition in magnetoelectric $TbMnO_3$ using X-ray Photoelectron Spectroscopy

11:30 – 1:30 **Lunch and Poster Session II (SRC Vault)**

SESSION 7: Chair – Adam Kaminski

1:30 – 1:50 Luxi Li (Contributed: University of New York-Queens College)
Structure of Xe 6s Rydberg States in Supercritical Ar

1:50 – 2:10 Brian Majestic (Contributed: UW-Madison – for Martin Shafer)
Application of Synchrotron Radiation for Measurement of Iron Red-Ox Speciation in Atmospheric Aerosols

2:10 – 2:20 Announcement of Best Poster Winner – Carol Hirschmugl

2:20 **Meeting Adjourned**