

## 2006 NSLS Users' Meeting Poster Session May 15-16, 2006

### Author Presentations (May 15, 2006):

Odd Numbered Posters: 6:00 – 7:00 pm

Even Numbered Posters: 7:00 – 8:00 pm

	<b>Presenting Author</b> (*student/postdoc)	<b>Affiliation</b>	<b>Poster Title</b>	<b>Field</b>	<b>Beam-line</b>	<b>E-mail</b>
1	Lonny Berman	BNL-NSLS	X25 Upgrade	Instrumentation	X25	berman@bnl.gov
2	Wolfgang Caliebe	BNL-NSLS	Cam-Driven Monochromator for Quick EXAFS	Instrumentation	X18B	caliebe@bnl.gov
3	Randy J. Smith	BNL-NSLS	A New Sample Substrate for Combining and Correlating Synchrotron-Based Infrared and X-Ray Imaging Techniques	Instrumentation	U10B	rsmith@bnl.gov
4	Randy J. Smith	BNL-NSLS	Infrared Imaging with a Focal Plane Array and a Dipole Synchrotron Light Source	Instrumentation	U10B	rsmith@bnl.gov
5	William Nolan	BNL-Biology	Layered User Gap Control Interface for NSLS Mini-gap Undulators	Instrumentation	X25	wnolan@bnl.gov
6	E. Teboul	Thin Films Division of HORIBA Jobin Yvon, Inc	Material Characterization Using Spectroscopic Mueller Polarimetry: Application to Anisotropic Polymeric Materials	Instrumentation		Dina.Murphy@JobinYvon.com
7	Fran Adar	Raman and EDXRF Division of HORIBA Jobin Yvon, Inc	Instrumentation and Theory for Micro Raman and PL of Nanotubes - A Wealth of Information Explained	Instrumentation		Dina.Murphy@JobinYvon.com
8	James M. Ablett	BNL-NSLS	Beamline X27A	Instrumentation	X27A	jablett@bnl.gov
9	James M. Ablett	BNL-NSLS	Experimental Highlights from the First 2 User Cycles Runs at the New X27A X-ray Microspectroscopy Beamline	Materials Science	X27A	jablett@bnl.gov
10	Elena Loginova*	Rutgers University	Nanosopic Oxide Formation in the NiAl(111) Oxidation	Materials Science	U4A	loginova@physics.rutgers.edu
11	Yiyi Wang*	Boston University	Real-Time Synchrotron X-Ray Studies of III-Nitride Growth	Materials Science	X21	yiyiwang@bu.edu
12	Amy Colon*	Hunter College CUNY	The Reduction of Silver Vanadium Oxide in Lithium Medical Batteries	Materials Science	X23A2	amcolon@gmail.com
13	Seo-Young Kwak*	BNL-NSLS	Biom mineralization Studies of Self-Assembled Protein Fibers	Materials Science	X6B	kwak@bnl.gov

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14	Jean Jordan-Sweet	IBM Research	X-Ray Studies of Phase-Change Materials for Solid State Memory Devices	Materials Science	X20C	jjj@bnl.gov
15	Joan Raitano*	Columbia University	Phase Stability in Hafnium-Cerium Oxides	Materials Science	X19A	jmr27@columbia.edu
16	Jenna Pike*	Columbia University	Synthesis and Redox Properties of CuO and Mn <sub>3</sub> O <sub>4</sub>	Materials Science	X7B	jmp2112@columbia.edu
17	Alexander Ignatov	CWRU at the NSLS	Special Configurations of Ti-based Species Catalyzing Complex Metal Hydrates: Determined by X-Ray Absorption Studies and First-Principles DFT and MD Calculations	Materials Science	X9B	ignatov@bnl.gov
18	Balaji Raghathamachar*	Stony Brook University	Structural Characterization of GaN Single Crystal Layers Grown by Vapor Transport from a Gallium Oxide (Ga <sub>2</sub> O <sub>3</sub> ) Powder Source	Materials Science	X19C	braghoth@notes.cc.sunysb.edu
19	Sharadha Sambasivan	NIST	Effect of Self-Assembled Monolayers Film Order on Nanofriction	Nanoscience	U7A	sharadha@bnl.gov
20	Lin Yang	BNL-NSLS	Synchrotron X-Ray Studies of Soft Matter and Biomolecular Materials: Small Angle Scattering (SAXS) Using the NSLS X21 Beamline	Nanoscience	X21	lyang@bnl.gov
21	Ming Lu*	Stony Brook University	Nanofabrication of Zone Plates for Applications at the Carbon Edge	Nanoscience	X1A1	mlu@xray1.physics.sunysb.edu
22	Aleksey M. Tikhonov	CARS, University of Chicago	Adsorption of Cs <sup>+</sup> Ions at the Surface of the Nanocolloidal Silica	Nanoscience	X19C	tikhonov@bnl.gov
23	Peter Bennett	Arizona State University	Growth Dynamics of Silicide Nanostructures on Silicon	Nanoscience		peter.bennett@asu.edu
24	Brandon Chapman*	BNL-NSLS	Structural Characterization of Molecular Crystals used in Organic-Based Field-Effect Transistors	Condensed Matter Physics	X19C	chapman@bnl.gov
25	Hua Zhou*	University of Vermont	Wavelength Tunability of Ion-bombardment Induced Ripples on Sapphire	Condensed Matter Physics	X21	hzhou@uvm.edu

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26	Lan Zhou*	University of Vermont	Investigation of the Interface Structure in Sputtered WSi <sub>2</sub> /Si Multilayers by in-situ Synchrotron X-ray Scattering	Condensed Matter Physics	X21	lan.zhou@uvm.edu
27	Wen Wen*	BNL-Chemistry	In situ Time-Resolved Characterization of Novel Cu-MoO <sub>2</sub> Catalysts during the Water Gas Shift Reaction	Catalysis	X7B	wwen@bnl.gov
28	Jing Liu*	Stony Brook University	In situ Time Resolved X-Ray Diffraction Studies on the Synthesis of Nano-MoCx and WGS Activity	Catalysis	X7B	jilliu@bnl.gov
29	Faisal Alamgir	NIST	CO Poisoning Mechanism of Pt-Ru Fuel Cell Catalysts	Catalysis	U7A	alamgir@bnl.gov
30	Shuguo Ma*	BNL-Chemistry	STM and XPS Study of Growth of Ce on Au(111)	Catalysis		sma@bnl.gov
31	Jonathan C. Hanson	BNL-Chemistry	In situ time Resolved Characterization of Cu-CeO <sub>2</sub> Nanocatalysts during Water Gas Shift Reaction	Catalysis	X7B	hanson1@bnl.gov
32	Laurent Menard*	University of Illinois at Urbana-Champaign	Non-Bulk-Like Properties of Ligand-Protected and Supported Metal Nanoparticles Probed by X-Ray Absorption Spectroscopy	Catalysis	X11A	lmenard@uiuc.edu
33	Minhua Shao*	Stony Brook University	Novel Electrocatalysts for Oxygen Reduction Reaction	Catalysis	X18B	mshao@ic.sunysb.edu
34	Jeroen A. van Bokhoven	ETH Zurich	Analysis of High-Temperature EXAFS Data of Supported Metal Catalysts using the Third and Fourth Cumulant	Catalysis		vanbokhoven@chem.ethz.ch
35	Lixia Rong*	Stony Brook University	Advanced Polymers Beamline X27C at National Synchrotron Light Source	Chemical Sciences	X27C	lrong@bnl.gov
36	Jae-Hyuk Her*	Stony Brook University	Temperature Dependent Structure of Solvent-Free [FeCp* <sub>2</sub> ]+[TCNE]-, Molecular Ferromagnet	Chemical Sciences	X16C	jher@ic.sunysb.edu
37	Akira Nambu*	BNL-Chemistry	N-doping of TiO <sub>2</sub> (110): Photoemission and Density Functional Studies	Chemical Sciences	U7A	akira.nambu@bnl.gov
38	Aaron J. Celestian*	Stony Brook University	In situ Time-Resolved Diffraction of Cesium Ion Exchange in Crystalline Silicotitanates	Geology and Environmental Sciences	X7B	acelesti@ic.sunysb.edu
39	Michael Appel	BNL-NSLS	High-Throughput Production and Analysis of Purified Proteins	Life Sciences	X21	mappel@bnl.gov

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40	Babu Manjasetty	Case Proteomics Center	Beamline X9A: Research Highlights 2005	Life Sciences	X9A	babu@bnl.gov
41	Sayan Gupta	Case Western Reserve University	The Beamline X28C of Center for Synchrotron Biosciences: A National Resource to Studying the Biomolecular Structure and Dynamics by Synchrotron Footprinting	Life Sciences	X28C	sayan@bnl.gov
42	Meghan E. Ruppel*	Stony Brook University	Infrared Analysis of Photodynamic Therapy as a Treatment for Melanoma	Life Sciences	U10B	ruppel@bnl.gov
43	Ariane Kretlow*	Robert Koch-Institute	Examining the Relationship Between Metals and Prion Protein Misfolding by Synchrotron Infrared and X-Ray Imaging During Scrapie Pathogenesis	Life Sciences	U10B	kretlowa@rki.de
44	Anne Schirmer*	NSLS at BNL	Influence of Demineralization on the Chemical Composition of Bone	Life Sciences	U10B	Schirmer@bnl.gov
45	Wuxian Shi	Case Western Reserve University	Beamline X29: a Novel Undulator Source for X-ray Crystallography	Life Sciences	X29A	wushi@bnl.gov
46	Andreana Leskovjan*	Stony Brook University	Investigating the Secondary Structure of Amyloid Beta (1-40) Protein in Alzheimer's Disease	Life Sciences		leskovjan@bnl.gov
47	Yizhi Meng*	Stony Brook University	Examination of Biomineralization of Osteoblastic Cells in a Microfabricated Fluidic Device using X-Ray Diffraction	Life Sciences	X6B	ymeng@sunysb.edu