2007 NSLS/CFN Users' Meeting Poster Session
May 21-23, 2007

Author Presentations and Poster Contest (May 21, 2007):
Odd Numbered Posters: 6:00 – 7:00 pm Even Numbered Posters: 7:00 – 8:00 pm

	Presenting Author (*student/postdoc)	Affiliation	Poster Title	Field	Beam-line	E-mail
1	A. F. Isakovic*	NSLS/CFN	Cyclic SF_6/O_2 Ultradeep ICP Etch of Silicon for X-ray Optics	Instrumentation	X13B	isakovic@bnl.gov
2	Alvin S. Acerbo*	Stony Brook University	Contrast and Resolution Improvement of FPA / FTIR Microspectroscopy using PSF deconvolution	Instrumentation	U10B	aacerbo@ic.sunysb.edu
3	L. Carr	BNL-NSLS	Coherent THz Pulses & Electro-Optic Modulation Effects from Ultra-Short Electron Bunches	Instrumentation	None	carr@bnl.gov
4	Vivian Stojanoff	BNL-NSLS	Machine Vision for Crystal Centering	Instrumentation	X6A	stojanof@bnl.gov
5	Kun Qian	BNL-NSLS	You Can Do It! Schedule Your Own Beam Time	Instrumentation	X6A	kqian@bnl.gov
6	James Ablett	BNL-NSLS	Spectral Measurements and Synchrotron Radiation Calculation Comparisons of the New X25 Mini-Gap Undulator (MGU)	Instrumentation	X25	jablett@bnl.gov
7	Fernando E. Camino	Stony Brook University	Quantum Hall Electron Interferometer Devices	Condensed Matter Physics	None	fernando.camino@stonybrook.edu
8	Jinsheng Wen*	BNL-CMPMSD	Diffuse Scattering and Phonons from $K_{0.98}Li_{0.02}TaO_3$	Condensed Matter Physics	X17B1	jwen@bnl.gov
9	Christie Nelson	BNL-NSLS	Field-Induced Structural Changes in $Ca_3Ru_2O_7$	Condensed Matter Physics	X21	csnelson@bnl.gov
10	Yi Ding*	BNL-CMPMSD	Magnetism in FeRh Thin Films	Condensed Matter Physics	U4B	yding@bnl.gov
11	Sanjaya D. Senanayake*	Oak Ridge National Laboratory	Redox Properties of HCOOH over CeO_2 Surfaces: Pathways to WGS	Chemical Sciences	U12A	senanayakesd@ornl.gov
12	Jonathan Hanson	BNL-Chemistry	In Situ TR-XRD and QEXAFS for Characterizing Catalysts & Active Sites	Chemical Sciences	X7B	hanson1@bnl.gov
13	Cherno Jaye*	NIST	Enhancement of Engine Oil Wear and Friction Control Performance through Titanium Additive Chemistry	Chemical Sciences	U7A	cjaye@bnl.gov

	Presenting Author (*student/postdoc)	Affiliation	Poster Title	Field	Beam-line	E-mail
14	Paul Northrup	BNL-Environmental Sciences	Opportunities for X-ray Absorption Spectroscopy at 1-5 keV	Geology and Environmental Sciences	X15B	northrup@bnl.gov
15	Yuanzhi Tang*	Stony Brook University	Enhanced Uranium Sorption on Alumina through Surface Modification	Geology and Environmental Sciences	X11A	yuatang@ic.sunysb.edu
16	Sandeep Rekhi	Case Western Reserve University	Synchrotron Infrared Spectroscopy at U2B Beamline: Interstellar Origin of Carbonado Diamonds	Geology and Environmental Sciences	U2B	srekhi@bnl.gov
17	Jen Bohon*	Case Western Reserve University	Synchrotron Protein Footprinting of the ClpAP Protease	Life Sciences	X28C	jbohon@bnl.gov
18	Meghan Ruppel*	Stony Brook University	Nanometer Resolution Hard X-ray Microscopy of Bone and Mineralized Tissue	Life Sciences	None	ruppel@bnl.gov
19	Ariane Kretlow*	Robert Koch Institute	Metals and Scrapie: A Dangerous Relationship?	Life Sciences	X26A	akretlow@bnl.gov
20	Sayan Gupta	Case Western Reserve University	Beamline X28C of Case Center for Proteomics and Mass Spectrometry: A National Resource for Mapping the Structure and Dynamics of Macromolecular Complexes in Solution	Life Sciences	X28C	sayan@bnl.gov
21	Hui Zhong*	BNL-NSLS	Using FT-IR Microspectroscopy to Predict B-cell Chronic Lymphocytic Leukemia Outcome	Life Sciences	U10B	hzhong@bnl.gov
22	Andreana Leskovjan*	Stony Brook University	Synchrotron-Based Imaging Detects Metal and Plaques in a Mouse Model of Alzheimer's Disease	Life Sciences	X26A	leskovjan@bnl.gov
23	Babu Manjasetty	Case Western Reserve University	PRT Beamline X9A IS NOW AT X3A PORT : Quick relocation, Quick Commissioning and Quick Results	Life Sciences	X3A	babu@bnl.gov
24	Yizhi Meng*	Stony Brook University	Investigating Bone Nanocrystals Using XRD and FTIR	Life Sciences	X6B	ymeng@sunysb.edu
25	Imke Bodendiek*	BNL-NSLS	Neural Network Prediction of Protein Secondary Structure with Synchrotron and Conventional Circular Dichroism	Life Sciences	U11	bodendiek@bnl.gov

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26	Wuxian Shi	Case Western Reserve University	Beamline X29: An Undulator Source for Macromolecular Crystallography	Life Sciences	X29A	wushi@bnl.gov
27	Mike Sullivan	Case Western Reserve University	X-ray Absorption Spectroscopy at Beamline X3B: An International Facility for Biological Sciences	Life Sciences	X3B	msullivan@bnl.gov
28	Jean Jakoncic*	BNL-NSLS	The Terminal Component of the Dioxygenase from Sphingomonas sp. CHY1	Life Sciences	X6A	jakoncic@bnl.gov
29	Hongwen Zhou*	Stony Brook University	Molecular Packing in Collagen Fibrils of a Mineralizing Tissue	Life Sciences	X27C	hozhou@ic.sunysb.edu
30	Rhijuta D'Mello*	Case Western Reserve University	Local Structural Changes on Photoactivation of Bovine Rhodopsin	Life Sciences	X28C	rhijuta@bnl.gov
31	Elena Loginova*	Rutgers University	Processes on Ruthenium Surfaces Related to Extreme Ultraviolet Lithography (EUVL)	Materials Science	U4B	loginova@physics.rutgers.edu
32	Syed Khalid	BNL-NSLS	Quick EXAFS at Beamline X18B	Materials Science	X18B	khalid@bnl.gov
33	Hua Zhou*	University of Vermont	Ion-Bombardment-Induced Ripples on Sapphire	Materials Science	X21	hzhou@uvm.edu
34	Hongyang Ma*	Stony Brook University	Improving Toughness of Ultra-High Molecular Weight Polyethylene with Ionic Liquid/Carbon Nanofiber	Materials Science	X27C	honma@notes.cc.sunysb.edu
35	Feng Zuo*	Stony Brook University	The Role of Interlamellar Chain Entanglement in Deformation-Induced Structure Changes during Uniaxial Stretching of Isotactic Polypropylene	Materials Science	X27C	zuofeng@gmail.com
36	Tony Yu*	Stony Brook University	High Pressure and High Temperature Pair Distribution Function Study of Liquid Gallium	Materials Science	X17B3	tony.yu@sunysb.edu
37	Benjawan Kjornrattanawanich	Universities Space Research Association	Optical Constants of Rare Earth Metals	Materials Science	X24C	benjawan@bnl.gov
38	Jae-Hyuk Her*	Stony Brook University	Unsolvated $Mg(BH_4)_2$ (Hydrogen Storage Material) Structures from Powder Diffraction	Materials Science	X16C	jaehyuk.her@gmail.com
39	Matthew Sfeir*	BNL-CMPMSD	Photoconductivity of Carbon Nanotubes Using Fourier Transform Spectroscopy	Nanoscience	U2B	msfeir@bnl.gov

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40	Hyeonggon Kang*	NIST	Optical Properties of DNA-Conjugated Single Nanoparticles using Combined Confocal Fluorescence Microscopy and Spectroscopy	Nanoscience	None	hyeong.kang@nist.gov
41	Matthew L. Clarke*	NIST	Thermal Properties and Single Particle Tracking of Gold Nanoshells in Lipid Vesicles	Nanoscience	None	matthew.clarke@nist.gov
42	Lisheng Wang*	Stony Brook University	Nanomedicine Initiatives at the Center for Nanomaterials and Sensor Development	Nanoscience	None	liswang@ic.sunysb.edu
43	Hui Chen*	Stony Brook University	Defect Structures in $B_{12}As_2$ Epitaxial Films Grown on c-Plane and a-Plane 6H-SiC Substrates	Nanoscience		huichen@ic.sunysb.edu