2010 Joint NSLS/CFN Users' Meeting Poster Session
May 24-26, 2010

Author Presentations and Poster Contest (May 24, 2010):

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	Robert Palomino	Stony Brook University	Diblock Copolymer Micelle Templated Nanoparticle Synthesis and Characterization	Chemical Sciences	None	rpalomino@bnl.gov
2	Ivana Radivojevic*	Hunter College, CUNY	Hafnium (IV) and Zirconium (IV) Porphyrinato and Phthalocyaninato Diacetate Complexes as New Dyes for Solar Cell Devices	Chemical Sciences	None	radivojevic4@hotmail.com
3	Jun-Sik Lee*	Brookhaven National Laboratory	A Hidden Magnetic Order in Monolithic $La_{1-x}SrxMnO_3$ Films	Condensed Matter Physics	U4B	jslee@bnl.gov
4	Sang Wan Cho*	Boston University	Electronic Structure of C60/phthalocyanine/ITO Interfaces Studied using Soft X-Ray Spectroscopies	Condensed Matter Physics	X1B	swcho@bu.edu
5	Yimin Mao*	Stony Brook University	Investigating Macromolecular Solution by Using Synchrotron X-Ray Scattering Combined with Photon Cross-Correlation Spectroscopy	Condensed Matter Physics	X27C	yimao@ic.sunysb.edu
6	Jun-Sik Lee	BNL-NSLS	Novel Magnetic State Driven by Interface Hybridization in $BiFeO_3$-$La_{0.7}Sr_{0.3}MnO_3$ Heterostructure	Condensed Matter Physics	U4B	jslee@bnl.gov
7	Saul Lapidus*	Stony Brook University	Polymorphism in 3,4-Dinitrobenzoic Acid	Condensed Matter Physics	X16C	slapidus@gmail.com
8	Louis Piper*	Boston University	Soft X-ray Spectroscopy at Beamline X1B of Energy Conversion Materials: Solid Oxide Fuel Cell Cathodes	Condensed Matter Physics	X1B	lfjpiper@bu.edu
9	Zhihui Pan*	BNL-CMPMS	Surface States on Topological Insulators: Angle Resolved Photoemission Studies	Condensed Matter Physics	U13UB	zpan@bnl.gov

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10	Yimin Mao*	Stony Brook University	Synchrotron X-Ray Scattering Study on Propylene-Based Random Copolymer	Condensed Matter Physics	X27C	yimao@ic.sunysb.edu
11	Peter Warnicke	BNL-NSLS	Time Resolved XMCD of Mn-Ferrites	Condensed Matter Physics	None	pwarnicke@bnl.gov
12	Ryan Tappero	BNL-NSLS	Combined Application of QEM-SEM and Hard X-ray Microscopy (HXM) to Determine Mineralogical Associations and Chemical Speciation of Trace Metals	Geology and Environmental Sciences	X27A	rtappero@bnl.gov
13	Jennifer Seiter	US Army Corps of Engineers	Geochemical Speciation of Selenium and Other Heavy Metals in Coal Fly Ash After Prolonged Submersion in the Emory River at the Kingston Fossil Plant Site	Geology and Environmental Sciences	X27A	jennifer.m.seiter@usace.army.mil
14	Paul Northrup	Stony Brook University	Spatially Resolved Tender Energy X-ray Absorption Spectroscopy: Applications in Climate and Energy	Geology and Environmental Sciences	X15B	northrup@bnl.gov
15	Julia Sedlmair	Institute for X-Ray Physics, Department of Physics, Georg-August-University Göttingen	X-Ray Spectromicroscopy of Carbon Nanotubes and Environmental Samples	Geology and Environmental Sciences	X1A1	jsedlma@gwdg.de
16	Andrei Fluerasu	BNL-NSLS-II	Coherent Hard X-ray Beamline at NSLS-II	Instrumentation	None	fluerasu@bnl.gov
17	Cecilia Sanchez-Hanke	BNL-NSLS	CSX Optical Design and Expected Performance	Instrumentation	None	hanke@bnl.gov
18	Christopher Owen*	University at Buffalo	Design, Construction, and Testing of a Beam Position Monitor for NSLS Beam Line X6A	Instrumentation	X6A	chowen15@gmail.com
19	Erik Muller*	Stony Brook University	Diamond Photodiodes for X-ray Applications	Instrumentation	None	emuller@bnl.gov
20	Vesna Stanic*	Stony Brook University	Electrostatically Self-assembled Amphiplexes: A Combinatorial X-ray Diffraction Approach	Instrumentation	X6B	vstanic@notes.cc.sunysb.edu
21	Jianming Bai	Oak Ridge National Laboratory	Micro-heater for Capillary Powder XRD at High Temperature	Instrumentation	X14A	jmbai@bnl.gov
22	Sanjit Ghose	BNL-NSLS-II	NSLS-II X-ray Powder Diffraction Project Beamline	Instrumentation	None	sghose@bnl.gov

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23	Xianbo Shi*	BNL-NSLS-II	Optical Calculations for Bent Laue Crystals	Instrumentation	None	xshi@bnl.gov
24	David A. Shapiro	BNL-NSLS-ll	Optimization of the Coherent Intensity from Multi-segment Undulators by Phase Matching	Instrumentation	None	dshapiro@bnl.gov
25	Juergen Thieme	BNL-NSLS-ll	Sub-micron Resolution X-ray Spectroscopy Beamline SRX at NSLS-II	Instrumentation	None	jthieme@bnl.gov
26	Hanfei Yan	BNL-NSLS-ll	Toward One Nanometer Hard X-ray Microscopy	Instrumentation	None	hyan@bnl.gov
27	Matthew Sfeir	BNL-CFN	Ultrafast and Nonlinear Optical Spectroscopy at the CFN	Instrumentation	None	msfeir@bnl.gov
28	E. Dooryhee	BNL-NSLS-ll	A Hard X-ray Materials Structure Beamline on a Damping Wiggler at NSLS-II	Materials Science	None	edooryhee@bnl.gov
29	Kathryn Dorst*	Stony Brook University	Adhesion, Migration and Differentiation Behavior of Osteoblasts on Various Surface Topographies	Materials Science	X6B	kdorst@ic.sunysb.edu
30	HuanHuan Wang*	Stony Brook University	Analysis of Dislocation Behaviour in Low Dislocation, PVT-Grown Silicon Carbide Single Crystals	Materials Science	X19C	huanhwang@ic.stonybrook.edu
31	Becky Munoz	Boise State University	Crystallization Characteristics of Thermally-Induced Phase Transformations of Ge-Sb-Te Alloys for Non-Volatile Memory Applications	Materials Science	X20C	beckymunoz@gmail.com
32	Mengjia Gaowei*	Stony Brook University	Electronic Impact of Inclusions in Diamond	Materials Science	X19C	gaoweimj@gmail.com
33	Balaji Raghothamachar	Stony Brook University	Improved Quality $B_{12}As_2$ Epitaxial Films on (0001) 4H-SiC Substrates Offcut Towards [1-100] For Beta Cell Applications	Materials Science	X19C	yuzhang0924@gmail.com
34	Haiyan Chen*	New Jersey Institute of Technology	In-situ XRD Investigations of Solid-state Synthesis of Thermoelectric Cobalt Oxide	Materials Science	X14A	haiyan@bnl.gov
35	Werner Knaepen	Ghent University	In-situ XRD Study of Thin Film Pd/Ge Solid State Reactions	Materials Science	X20C	werner.knaepen@ugent.be
36	Shayan Byrappa*	Stony Brook University	Observation of Single Ended Frank Read Sources in Low Dislocation Density 4H-SiC wafers	Materials Science	X19C	sbyrappa@ic.stonybrook.edu
37	Jason D. Forster	Yale University	Optical Properties of Isotropic and Crystalline Nanostructures of Polymeric Spheres and Dumbbells	Materials Science	X9	jason.forster@yale.edu

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38	Vishwanath Sarkar	Stony Brook University	Residual Stress Determination and Rapping in Single Crystal Material using White Beam Synchrotron X-ray Diffraction Topography	Materials Science	X19C	vsarkar@ic.stonybrook.edu
39	Koen De Keyser	Ghent University	Studying Textured/epitaxial Thin Films Using Synchrotron Radiation, a Strip Detector and GUSTAV	Materials Science	X20A	koen.dekeyser@ugent.be
40	Andrew Ying*	Columbia University	X-ray Diffraction Study of Anomalous Recrystallization Kinetics in Electroplated Copper Films	Materials Science	X20A	ajy2103@columbia.edu
41	Jeffrey B. Driscoll	Columbia University	Advanced Femtosecond Pulse Propagation in Silicon Nanowire Waveguides	Nanoscience	None	jbd2112@columbia.edu
42	Erika Penzo	Columbia University	Biofunctionalization of Nanopatterned Surfaces and Their Integration with DNA Molecules and Nanostructures	Nanoscience	None	ep2443@columbia.edu
43	Paul Mark	Rutgers University	Building Bridges Between Nanoparticles: Simulation and Experiment	Nanoscience	None	paulmark@eden.rutgers.edu
44	Xiaohui Peng*	Stony Brook University	Covalent Synthesis and Optical Characterization of Double-walled Carbon Nanotube-Nanocrystal Heterostructures	Nanoscience	None	xiaohuipeng126@hotmail.com
45	Yong Chu, Larry Margulies	BNL-NSLS-ll	NSLS-ll Nanoprobe Beamline (HXN)	Nanoscience	None	lmargulies@bnl.gov
46	Zhihua Xu*	BNL-CFN	Single-molecule Fluorescence Spectroscopy Studies of Photo-induced Electron Transfer Between CdSe/ZnS Quantum Dots and Fullerene	Nanoscience	None	zxu@bnl.gov
47	Alexander C. Santulli	Stony Brook University	Synthesis and Characterization of V2O3 nanorods	Nanoscience	None	alex.santulli@gmail.com
48	Jean Jakoncic	BNL-NSLS	NIGMS East Coast Structural Biology Facility	Life Sciences	X6A	jakoncic@bnl.gov
49	Christopher Jurgenson*	Yale University	Crystal Structures of Activator Bound to Arp2/3 Complex	Life Sciences	X25	christopher.jurgenson@yale.edu
50	Alvin Acerbo*	Stony Brook University	Determination of Changes in Bone Chemical Composition and Distribution under Influence of Osteoporosis Pharmaceuticals using Reflection FTIR	Life Sciences	U10B	acerbo@bnl.gov
51	Megan Bourassa*	Stony Brook University	Investigating the Role of Oxidative Stress in ALS	Life Sciences	X27A	bourassa@bnl.gov

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52	Joan Kiely	Mount Sinai High School	Lunatic Fringe – the O-Glycosylator Enzyme	Life Sciences	None	sbronson@bnl.gov
53	Claire Birone	Babylon Junior-Senior High School	Bacillus thuringiensis Toxin (CryIA) - An Insecticidal Toxin	Life Sciences	None	sbronson@bnl.gov
54	Glynis Nauritter	Mount Sinai High School	NOx Hemoglobin – A Molecule That Changes	Life Sciences	None	sbronson@bnl.gov
55	Joan Kiely	Malverne High School	Nuclear Factor Kappa B	Life Sciences	None	sbronson@bnl.gov
56	Joan Kiely	Mount Sinai High School	Rad54 – a DNA Repair Enzyme	Life Sciences	None	sbronson@bnl.gov