



2007 NSLS/CFN Joint Users' Meeting

Agenda

The Joint NSLS and CFN Users' Meeting and Workshops are hosted and sponsored by the National Synchrotron Light Source and the Center for Functional Nanomaterials Users' Associations, external organizations representing the users of the NSLS and the CFN. The meeting and workshops are supported primarily by registration fees paid by the participants. Social events, lunches and coffee are provided to registered attendees, compliments of our exhibitors and sponsors.

The NSLS Users' Executive Committee and the CFN Users' Executive Committee, the elected bodies of each association, cordially invite all BNL employees to attend Monday's Early Morning Plenary Session, free of charge, followed by the CFN Ribbon-Cutting Ceremony.

All other sessions are dedicated to scientific talks and require registration. BNL employees and guests are warmly invited to register for these sessions, the workshops and other events (fees are required).

Sunday, May 20

Starts	Ends	Event	Location
12:00 p.m.	5:00 p.m.	Optional Vendor Set up	Berkner Hall Lobby and Cafeteria
4:00 p.m.	7:00 p.m.	Early Registration - Registration Office opens	Berkner Hall Lobby and Conf Rm D
4:00 p.m.	7:00 p.m.	Poster Set up	Berkner Hall Lobby and Cafeteria

Monday, May 21

Plenary Session

Starts	Ends	Event	Location
7:00 a.m.	8:00 a.m.	Vendor Set up (Lobby Only)	Berkner Hall Lobby
7:00 a.m.	11:00 a.m.	Vendor Set up (Cafeteria Only)	Berkner Hall Cafeteria
7:00 a.m.	11:00 a.m.	Poster Set up (Cafeteria Only)	Berkner Hall Cafeteria
7:00 a.m.		Registration Office opens ~ all attendees must check in before attending any event	Berkner Hall Lobby and Conf Rm D

Early Morning Plenary Session

Open to all BNL employees, free of charge
(8:30 a.m. to 10:45 a.m.)

Dan Fischer, Session Chair

National Institute of Standards and Technology

Vice Chair, NSLS Users' Executive Committee, 2006-2007

8:30 a.m.	8:35 a.m.	"Welcome" Dan Fischer, NSLS UEC Vice Chair, National Institute of Standards and	Berkner Hall Auditorium
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Technology

8:35 a.m.	8:45 a.m.	"BNL Update" Sam Aronson, Director, Brookhaven National Laboratory	Berkner Hall Auditorium
8:45 a.m.	9:15 a.m.	"BES Update" Patricia Dehmer, Director, Basic Energy Sciences, Department of Energy	Berkner Hall Auditorium
9:15 a.m.	9:45 a.m.	"NSLS-II Update" Steve Dierker, Associate Laboratory Director for Light Sources, Brookhaven National Laboratory	Berkner Hall Auditorium
9:45 a.m.	10:15 a.m.	"CFN Update" Emilio Mendez, Chair, Center for Functional Nanomaterials	Berkner Hall Auditorium
10:15 a.m.	10:45 a.m.	"NSLS Update" Chi-Chang Kao, Chair, National Synchrotron Light Source	Berkner Hall Auditorium

Morning Break

(10:45 a.m. to 11:00 a.m.)

Travel to CFN

CFN Ribbon Cutting Ceremony

(11:00 a.m. to 12:30 p.m.)

11:00 a.m.	11:05 a.m.	"Welcome" Sam Aronson, Director, Brookhaven National Laboratory	CFN
11:05 a.m.	11:10 p.m.	Emilio Mendez, Chair, Center for Functional Nanomaterials	CFN
11:10 a.m.	11:15 p.m.	Patricia Dehmer, Director, Basic Energy Sciences, Department of Energy	CFN
11:15 p.m.	11:30 p.m.	Invited Speaker	CFN
11:30 a.m.	11:35 a.m.	Doon Gibbs, Associate Director for Basic Energy Sciences, Brookhaven National Laboratory	CFN
11:35 a.m.	11:40 a.m.	CFN Ribbon Cutting	CFN
11:40 a.m.	12:10 p.m.	CFN Reception and VIP Tour	CFN Bldg. and Lawn
		CFN Tour	CFN
12:10 p.m.	12:20 p.m.	Photo: UEC Officers, DOE and BNL, NSLS and CFN Management	In Front of CFN Building
12:20 p.m.	12:30p.m.	Photo: Users' Meeting Planning Committee	In Front of CFN Building

Lunch Break

(12:30 p.m. to 1:30 p.m.)
Monday Workshop Attendees

12:30 p.m.	1:30 p.m.	Lunch for Monday Workshop Attendees	Berkner Hall Lobby Lower Level and Cafeteria
12:30 p.m.	1:30 p.m.	UEC Lunch with Pat Dehmer	Berkner Hall Conf Rm A

Monday Afternoon Workshops

Registration Required
(1:30 p.m. to 5:30 p.m.)

1:30 p.m.	5:30 p.m.	Workshop 1: Nanomedicine: Biocompatibility and Applications, Part 1: Biocompatibility of Nanoparticles	Bldg. 555 Chemistry Dept. Hamilton Room
1:30 p.m.	5:30 p.m.	Workshop 2: High Energy X-Rays Part I: Probing Nanoscale Inhomogeneities in Transition Metal Oxides Using High Energy X-Ray Diffraction and Scanning Microscopy	Bldg. 463 Biology Dept. Seminar Room
1:30 p.m.	5:30 p.m.	Workshop 3: Soft X-Rays: Polarization Sensitive Measurements Using Resonant Soft X-Rays	Bldg. 510 Physics Dept. Large Seminar Room
	5:00 p.m.	Registration Office closes	Berkner Hall Lobby and Conf Rm D
	5:30 p.m.	All Workshops Conclude	Workshop Locations
5:30 p.m.	8:00 p.m.	Welcoming Reception, Exhibitor and Poster Session	Berkner Hall

Starts	Ends	Event	Location
7:30 a.m.	5:00 p.m.	Registration Office open ~ all attendees must check in before attending any event	Berkner Hall Lobby and Conf Rm D
8:00 a.m.	5:30 p.m.	Vendor Exhibit, Poster Session	Berkner Hall Lobby and Cafeteria

Tuesday Morning Workshops

Registration Required
(9:00 a.m. to 1:00 p.m.)

Starts	Ends	Event	Location
9:00 a.m.	1:00 p.m.	Workshop 4: Nanomedicine: Biocompatibility and Applications, Part II: Applications of Nanomedicine in Diagnostics and Treatment	Bldg. 480 Berkner Hall Auditorium
9:00 a.m.	1:00 p.m.	Workshop 5: Tender X-Ray Spectroscopy (1-5 KeV X-Rays)	Bldg. 510 Physics Dept. Large Seminar Room
9:00 a.m.	1:00 p.m.	Workshop 6: High Energy X-Rays, Part II: Effects of Extreme Environments of Radiation, Temperature and Stress on Material Structure at Nanoscale - Role of X-Ray Probing and Visualization Techniques in Nanoscale Design	Bldg. 555 Chemistry Dept. Hamilton Seminar Room
9:30 a.m.	11:30 a.m.	NSLS/CFN Technicians and Vendors Networking Session (NSLS and CFN Technicians only)	Berkner Hall Lobby and Cafeteria
	1:00 p.m.	All Workshops Conclude	Workshop Locations

Lunch Break

(1:00 p.m. to 2:00 p.m.)
Tuesday Workshop Attendees and Scientific Talk Attendees Lunch

Starts	Ends	Event	Location
1:00 p.m.	2:00 p.m.	Lunch for Registered Workshop and Main Meeting Scientific Talks Attendees	Berkner Hall Lobby Lower Level and Cafeteria
1:00 p.m.	1:20 p.m.	CFN Tour (Optional)	CFN
1:20 p.m.	1:40 p.m.	CFN Tour (Optional)	CFN
1:00 p.m.	2:00 p.m.	CFN UEC Meeting	Berkner Hall Conf Rm A

Tuesday Plenary Science Talks Early Afternoon Session

Registration Required
(2:00 p.m. to 3:45 p.m.)
Molly Frame, Session Chair
Stony Brook University
Chair, CFN Users' Executive Committee

Starts	Ends	Event	Location
2:00 p.m.	2:45 p.m.	Dean M. DeLongchamp, National Institute of Science and Technology "Microstructure Foundations of High Performance in Organic Semiconductors"	Berkner Hall Auditorium
2:00 p.m.	4:00 p.m.	BNL Technicians and Vendors Networking Session (Open to all BNL Technicians)	Berkner Hall Lobby and Cafeteria
2:45 p.m.	3:30 p.m.	Scott Calvin, Sarah Lawrence College "Expanding the Synchrotron Community"	Berkner Hall Auditorium
3:30 p.m.	3:45 p.m.	Julian Baumert PhD Thesis Award Winner	Berkner Hall Auditorium

Afternoon Break

(3:45 p.m. - 4:15 p.m.)
Registered Attendees

Starts	Ends	Event	Location
3:45 p.m.	3:50 p.m.	Announcement of Poster Session Winners and UEC New Officers	Berkner Hall Auditorium
3:50 p.m.	4:15 p.m.	Coffee Break for Registered Attendees	Berkner Hall Lobby

Tuesday Plenary Science Talks Late Afternoon Session

Registration Required
(4:15 p.m. to 5:15 p.m.)
Molly Frame, Session Chair
Stony Brook University
Chair, CFN Users' Executive Committee

Starts	Ends	Event	Location
4:15 p.m.	5:15 p.m.	Whiz Bang Science Show "Getting Everyone Excited About Science"	Berkner Hall Auditorium
	5:00 p.m.	Registration Office closes	Berkner Hall Conf Rm D

Tuesday Night Users' Meeting Banquet

(5:15 p.m. - 10:00 p.m.)

5:15 p.m.	6:00 p.m.	Cocktail Hour	Berkner Hall Lobby and Cafeteria
6:00 p.m.	10:00 p.m.	1950s Rock 'n Roll Banquet and Entertainment at Berkner Hall	Berkner Hall Cafeteria

Wednesday, May 23

Workshops

Starts	Ends	Event	Location
8:00 a.m.	12 noon	Registration Office opens ~ all attendees must check in before attending any event	Berkner Hall Lobby and Conf Rm D
9:00 a.m.	5:00 p.m.	Workshop 7: Biologically Directed Self-Assembly of Nanomaterials: Synthesis and Characterization	Bldg. 555 Chemistry Dept. Hamilton Room
9:00 a.m.	5:00 p.m.	Workshop 8: Making and Using Nanobeams Parts I and II: X-Ray Optics and Allocations of Nanobeams	Bldg. 488 Berkner Hall Auditorium
9:00 a.m.	5:00 p.m.	Workshop 9: Applications of Synchrotron Based Methods to Microelectronics Materials	Bldg. 488 Berkner Hall Conf Rm B
	12 noon	Registration Office closes	Berkner Hall Conf D
	12 noon	Poster Session closes	Berkner Hall Lobby and Cafeteria
12:30 p.m.	1:30 p.m.	Lunch for Workshop Attendees	Berkner Hall Cafeteria
12:40 p.m.	1:00 p.m.	CFN Tour (Optional)	CFN
	1:30 p.m.	Exhibitor Session closes	Berkner Hall Lobby and Cafeteria
	5:00 p.m.	Workshops conclude	Workshop Locations

Thursday, May 24

Workshop

Starts	Ends	Event	Location
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9:00 a.m.

1:00 p.m.

Synchrotron Image-Data Format Workshop

Bldg. 463
Biology Dept.
Conference Room



2007 NSLS/CFN Joint Users' Meeting

Workshops

The program of six half-day workshops and three full-day workshops, will focus on specific scientific topics and techniques of interest to the synchrotron and nanoscience communities. Follow the link for each workshop for more information.

Monday, May 21, 2007

Workshop 1	Nanomedicine: Biocompatibility and Applications Part 1: Biocompatibility of Nanoparticles <i>Organizer(s):</i> Miriam Rafailovich (Stony Brook University)	Bldg. 555, Chemistry, Hamilton Seminar Room
Workshop 2	Probing Nano-scale Inhomogeneities in Transition Metal Oxides Using High Energy X-ray Diffraction and Scanning Microscopy <i>Organizer(s):</i> Markus Hucker (Condensed Matter Physics and Material Science Dept., BNL) huecker@bnl.gov Guangyong Xu Condensed Matter Physics and Material Science Dept., BNL) gxu@bnl.gov Zhong Zhong (National Synchrotron Light Source, BNL) zhong@bnl.gov	Bldg. 463, Biology, Seminar Room
Workshop 3	Soft X-Rays: Polarization Sensitive Measurements Using Resonant Soft X-Rays <i>Organizer(s):</i> Sujoy Roy (Stanford Synchrotron Radiation Laboratory) Cecilia Sanchez-Hanke (National Synchrotron Light Source, BNL) hanke@bnl.gov	Bldg. 510, Physics, Large Seminar Room

Tuesday, May 22, 2007

Workshop 4	Nanomedicine: Diagnostics and Treatment <i>Organizer(s):</i> Perena Gouma (Stony Brook University) pgouma@notes.cc.sunysb.edu Molly Frame (Stony Brook University) mframe@notes.cc.sunysb.edu	Bldg. 488, Berkner Hall, Auditorium
Workshop 5	Tender" X-ray Absorption Spectroscopy (at 1-5 KeV) <i>Organizer(s):</i> Jay Brandes (Skidaway Institute of Oceanography) jay.brandes@skio.usg.edu Paul Northrup (Environmental Sciences Department, BNL) northrup@bnl.gov	Bldg. 510, Physics, Large Seminar Room
Workshop 6	High Energy X-Rays, Part II: Effects of Extreme Environments of Radiation, Temperature and Stress on Material Structure at Nanoscale – Role of X-Ray Probing and Visualization Techniques in Nanoscale Design <i>Organizer(s):</i> Nick Simos (Energy Sciences and Technology Dept., BNL) simos@bnl.gov Lynne Ecker (Energy Sciences and Technology Dept., BNL) lecker@bnl.gov	Bldg. 555, Chemistry, Hamilton Room

Wednesday, May 23, 2007

Workshop 7	Biologically Directed Self-Assembly of Nanomaterials: Synthesis and Characterization <i>Organizer(s):</i> Qian Wang (University of South Carolina) wang@mail.chem.sc.edu Lin Yang (National Synchrotron Light Source) lyang@bnl.gov Oleg Gang (Center for Functional Nanomaterials) ogang@bnl.gov	Bldg. 555, Chemistry, Hamilton Room
Workshop 8	Making and Using Nanobeams <i>Organizer(s):</i> Ismail Noyan (Columbia University) icn2@columbia.edu Kenneth Evans- Lutterodt (National Synchrotron Light Source), kenne@bnl.gov	Bldg. 488, Berkner Hall, Auditorium
Workshop 9	Applications of Synchrotron Based Methods to Microelectronics Materials	Bldg. 488, Berkner Hall, Conf Room B

Organizer(s): Jean Jordan-Sweet (IBM Research Division) jjj@bnl.gov Christian Lavoie (IBM Research Division) clavoi@us.ibm.com

Thursday, May 24, 2007

Workshop 10

Synchrotron Image Data Format Workshop

Bldg. 463, Biology Dept., Conference Room

Organizer(s): Robert M. Sweet (Biology Department, BNL) Herbert J. Bernstein (Dowling College) John Skinner (Biology Department, BNL)