



## 2006 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. 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).

Monday, May 15

Main Meeting

Starts	Ends	Event	Location
7:30 a.m.		Registration Office opens ~ all attendees must check in before attending any event	Berkner Hall Lobby and Conf D
8:00 a.m.		Exhibitor and Poster Session	Berkner Hall Lobby and Cafeteria

#### Early Morning Plenary Session

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

Chris Jacobsen, Session Chair  
State University of New York at Stony Brook  
Vice Chair, Users' Executive Committee, 2005-06

8:30 a.m.	8:45 a.m.	<b>"BNL Update"</b> - Sam Aronson, Interim BNL Director and Robert McGrath, Stony Brook Provost and Vice President for Brookhaven Affairs	Berkner Hall Auditorium
8:45 a.m.	9:15 a.m.	<b>"BES Update"</b> - Patricia Dehmer, Associate Director, Office of Basic Energy Sciences, Department of Energy	Berkner Hall Auditorium
9:15 a.m.	9:30 a.m.	Congressman Tim Bishop, Representative for New York's 1st District	
9:30 a.m.	10:05 a.m.	<b>"NSLS-II Update"</b> - Steve Dierker, BNL ALD for Light Sources	Berkner Hall Auditorium

10:05 a.m.	10:40 a.m.	<b>"CFN Update"</b> - Doon Gibbs, Interim Chair, Center for Functional Nanomaterials	Berkner Hall Auditorium
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**Morning Break**  
(10:45 a.m. to 11:00 a.m.)

10:40 a.m.	11:00 a.m.	Continental Breakfast and Coffee Break for registered attendees	Berkner Hall Lobby and Conf B
10:40 a.m.	10:50 a.m.	Photo: UEC Officers and DOE; BNL; and NSLS and CFN Management	Behind Berkner
10:50 a.m.	10:55 a.m.	Photo: Users' Meeting Planning Committee	Behind Berkner

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**Late Morning Session**  
Open to all BNL employees, free of charge  
(11:00 a.m. to 12:30 p.m.)

Laura H. Lewis, Session Chair  
Center for Functional Nanomaterials  
Deputy Director Operations & Outreach

11:00 a.m.	11:45 a.m.	<b>"NSLS Update"</b> - Chi-Chang Kao, Interim Chair, NSLS	Berkner Hall Auditorium
11:45 a.m.	12:30 a.m.	"Building Safe Nanomaterials: Physical and Chemical Characterization" Vicki Colvin, Professor of Chemistry and Professor of Chemical Engineering, Rice University	Berkner Hall Auditorium

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**Lunch Break**  
(12:30 p.m. to 2:00 p.m.)

12:30 p.m.		Registration Office closes for lunch	Berkner Hall Conf D
12:30 p.m.	2:00 p.m.	Lunch for registered Main Meeting Attendees	Berkner Hall Cafeteria
1:30 p.m.		Registration Office re-opens	Berkner Hall Conf D

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**Early Afternoon Session**

Registration Required  
(2:00 p.m. to 3:30 p.m.)

Chris Jacobsen, Session Chair  
State University of New York at Stony Brook  
Vice Chair, Users' Executive Committee, 2005-06

2:00 p.m.	2:30 p.m.	"Ultrafast Coherent Diffraction Imaging with a Soft X-Ray Free-Electron Laser" Henry Chapman, Staff Scientist, Lawrence Livermore National Laboratory	Berkner Hall Auditorium
2:30 p.m.	3:00 p.m.	"Engineering of Carbon Nanotube Structures" Pulickel M. Ajayan, Department of Materials Science and Engineering, Rensselaer Polytechnic Institute	Berkner Hall Auditorium

3:00 p.m.	3:30 p.m.	"Decoding Cell Adhesion with Protein Crystallography" Lawrence Shapiro, Ph.D., Associate Professor, Columbia University	Berkner Hall Auditorium
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Afternoon Break  
(3:30 p.m. to 4:00 p.m.)

3:30 p.m.	4:00 p.m.	Coffee Break for registered attendees	Berkner Hall Lobby, Cafeteria and Conf B
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Late Afternoon Session

Registration Required  
(4:00 p.m. to 5:30 p.m.)

Peter Stephens, Session Chair  
State University of New York at Stony Brook  
Chair, Users' Executive Committee, 2005-06

4:00 p.m.	5:30 p.m.	<b>"Community Input Session: NSLS 5-Year Plan"</b> Chi-Chang Kao, Interim Chair, NSLS	Berkner Hall Auditorium
5:00 p.m.		Registration Office closes	Berkner Hall Lobby and Conf Room D

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6:00 p.m.	9:00 p.m.	Networking "Walkabout" Buffet, Exhibitors and Poster Session	Berkner Hall Lobby, and Cafeteria
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Tuesday, May 16

Workshops

Starts	Ends	Event	Location
7:30 a.m.	7:30 p.m.	Registration Office open ~ all attendees must check in before attending any event	Berkner Hall Lobby and Conf Room D
8:00 a.m.	7:30 p.m.	Vendor Exhibit, Poster Session	Berkner Hall Lobby and Cafeteria
8:50 a.m.	5:00 p.m.	<b>Workshop 1:</b> Synchrotron Catalysis Consortium: New Opportunities for In-situ XAFS Studies of Nanocatalysis	Bldg. 555 Chemistry Hamilton Room
9:00 a.m.	5:00 p.m.	<b>Workshop 2:</b> Soft Matter and Biomolecular Materials: X-ray Scattering Enabled by High Brightness Beamlines	Bldg. 463 Biology Seminar Room
8:45 a.m.	5:00 p.m.	<b>Workshop 3:</b> Nanoscale Correlations and Heterostructures	Bldg. 510 Physics Large Seminar Room
12 noon	1:00 p.m.	Lunch for Workshop Attendees.	Berkner Hall Cafeteria
	5:00 p.m.	All Workshops conclude	Workshop Locations
5:00 p.m.	7:30 p.m.	Welcoming Reception, Exhibitor and Poster Session	Berkner Hall
6:00 p.m.	7:00 p.m.	CFN Users' Executive Committee Meeting	Berkner Hall Conf. Room C

7:30 p.m.

Registration Office closes

Berkner Hall  
Conf Room D

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Wednesday, May 17

Workshops

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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 Room D
9:00 a.m.	5:00 p.m.	<b>Workshop 4:</b> Chemical and Biological Applications of X-ray Emission Spectroscopy	Bldg. 555 Chemistry Hamilton Room
9:00 a.m.	5:00 p.m.	<b>Workshop 5:</b> Platforms for the Integration of Biological Systems into Nanomaterials and Interfaces	Bldg. 510 Physics Large Seminar Room
9:00 a.m.	5:00 p.m.	<b>Workshop 6:</b> VUV Radiometry	Bldg. 463 Biology Large Seminar Room
	12 noon	Registration Office closes	Berkner Hall Conf D
12 noon	1:00 p.m.	Lunch for Workshop Attendees	Berkner Hall Cafeteria
	5:00 p.m.	Workshops conclude	Workshop Locations

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### Workshops

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

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#### Tuesday, May 16, 2006

Workshop 1	<b>Synchrotron Catalysis Consortium: New Opportunities for in-situ XAFS Studies of Nanocatalysis</b> <i>Organizer(s):</i> Simon R. Bare (UOP) <a href="mailto:simon.bare@uop.com">simon.bare@uop.com</a> Anatoly Frenkel (Yeshiva University) <a href="mailto:frenkel@bnl.gov">frenkel@bnl.gov</a>	Bldg. 555, Chemistry, Hamilton Seminar Room
Workshop 2	<b>Soft Matter and Biomolecular Materials: X-ray Scattering Enabled by High Brightness Beamlines</b> <i>Organizer(s):</i> Ben Hsiao (Stony Brook University) <a href="mailto:Benjamin.Hsiao@sunysb.edu">Benjamin.Hsiao@sunysb.edu</a> Lin Yang (NSLS) <a href="mailto:lyang@bnl.gov">lyang@bnl.gov</a> Elaine DiMasi (NSLS) <a href="mailto:dimasi@bnl.gov">dimasi@bnl.gov</a> Ron Pindak (NSLS) <a href="mailto:pindak@bnl.gov">pindak@bnl.gov</a>	Bldg. 463, Biology, Seminar Room
Workshop 3	<b>Nanoscale Correlations and Heterostructures</b> <i>Organizer(s):</i> Jim Misewich (BNL, Material Sciences) <a href="mailto:misewich@bnl.gov">misewich@bnl.gov</a> Tony Heinz (Columbia University) <a href="mailto:tfh3@columbia.edu">tfh3@columbia.edu</a>	Bldg. 510, Physics, Large Seminar Room

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#### Wednesday, May 17, 2006

Workshop 4	<b>Chemical and Biological Applications of X-ray Emission Spectroscopy</b> <i>Organizer(s):</i> James Penner-Hahn (University of Michigan) <a href="mailto:jeph@umich.edu">jeph@umich.edu</a> Trevor Tyson (New Jersey Institute of Technology) <a href="mailto:tyson@adm.njit.edu">tyson@adm.njit.edu</a>	Bldg. 555, Chemistry, Hamilton Seminar Room
Workshop 5	<b>Platforms for the Integration of Biological Systems into Nanomaterials and Interfaces</b> <i>Organizer(s):</i> Oleg Gang (BNL) <a href="mailto:ogang@bnl.gov">ogang@bnl.gov</a> Daniel Van Der Lelie (BNL) <a href="mailto:vdlelie@bnl.gov">vdlelie@bnl.gov</a> Molly Frame (SUNY Stony Brook) <a href="mailto:mframe@notes.cc.sunysb.edu">mframe@notes.cc.sunysb.edu</a>	Bldg. 510, Physics, Large Seminar Room
Workshop 6	<b>VUV Radiometry</b> <i>Organizer(s):</i> Jeff Keister (SFA, Inc) <a href="mailto:jkeister@bnl.gov">jkeister@bnl.gov</a>	Bldg. 463, Biology, Seminar Room