



2002 NSLS Users' Meeting

Agenda

Sunday, May 19

Starts	Ends	Event	Location
4:00 p.m.		All attendees must check in at Conference Desk; Registration Office opens	Berkner Hall, Bldg. 488, Rm. D
	7:30 p.m.	Conference Desk and Registration Office closes	Berkner Hall, Bldg. 488, Rm. D

Monday, May 20

7:00 a.m.		All attendees must check in at Conference Desk and Registration Office opens	Berkner Hall, Bldg. 488, Rm D
9:00 a.m.		Workshop 1: "The Environmental Sciences: Synchrotrons Providing Powerful Tools for a New Science," Douglas Hunter (Savannah River Ecology Laboratory)	Biology, Bldg 463, Large Seminar Room
9:00 a.m.		Workshop 2: "X-Ray Sources for Studies of Ultrafast Processes," John Sutherland, (BNL)	NSLS, Bldg.725B, Seminar Room
9:00 a.m.		Workshop 3: "EXAFS Studies of Nanoscale and Nanostructured Materials," Vincent Harris, (Naval Res. Lab.)	Physics, Bldg 510, Large Seminar Room
9:00 a.m.		Workshop 4: "Practical Aspects of Membrane Protein Crystallography: From Overexpression to Crystallization," Larry Shapiro, (Columbia Uni.)	Chemistry, Bldg. 555, Hamilton Rm
11:00 a.m.	12 noon	Tour of the NSLS	NSLS, Building 725
12 noon	1:00 p.m.	Lunch for Workshop Attendees	At Workshop Locations
	5:00 p.m.	Workshops conclude	At Workshop Locations
5:30 p.m.	8:00 p.m.	Welcoming Reception	Berkner Hall, Bldg. 488, Lobby
5:30 p.m.	8:00 p.m.	Vendor & Equipment Exhibit	Berkner Hall, Bldg. 488, Lobby
5:30 p.m.	8:00 p.m.	Poster Session	Berkner Hall, Bldg. 488, Rm B
	8:00 p.m.	Conference Desk and Registration Office closes	Berkner Hall, Rm D

Tuesday, May 21

7:30 a.m.		All attendees must check in at Conference Desk and Registration Office opens	Berkner Hall, Bldg. 488 Rm D
8:00 a.m.		Vendor & Equipment Exhibit opens	Berkner Hall, Bldg. 488, Lobby

8:00 a.m.	Poster Session opens	Berkner Hall, Bldg. 488, Rm B
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Main Meeting Agenda

Leemor Joshua-Tor
Associate Professor, Cold Spring Harbor Laboratory
Chair 2002 Annual Users' Meeting Planning Committee
Chair-Elect, Users' Executive Committee, 2002-03
Morning Session Moderator (8:15 a.m. to 11:10 a.m.)

8:15 a.m.	8:25 a.m.	"Welcome and BNL Overview," Dr. Satoshi Ozaki, Special Assistant to the Laboratory Director for Accelerator Projects, BNL	Berkner Hall, Auditorium
8:25 a.m.	8:40 a.m.	BNL BES Programs Update, Richard Osgood, Jr., Associate Laboratory Director for Basic Energy Sciences, BNL	Berkner Hall, Auditorium
8:40 a.m.	8:55 a.m.	"NSLS Update," Steven Dierker, NSLS Chairman	Berkner Hall, Auditorium
8:55 a.m.	9:15 a.m.	Remarks by Congressman Felix Grucci	Berkner Hall, Auditorium
9:15 a.m.	9:20 a.m.	"Introduction of Keynote Speaker," Peter Bond, Special Assistant to Director of BNL, & Physics Dept, BNL	Berkner Hall, Auditorium
9:20 a.m.	10:00 a.m.	Keynote Address: "Science Based Science Policy," John Marburger, Director of the Office of Science and Technology, Executive Office of the President of the United States	Berkner Hall, Auditorium
10:00 a.m.	10:20 a.m.	Coffee Break	Berkner Hall, Lobby
10:00 a.m.	10:20 a.m.	Planning Committee photo	Berkner Hall, Outdoors/Indoors
10:20 a.m.	10:45 a.m.	DOE BES Report, Patricia Dehmer, Associate Director of Science for Basic Energy Sciences, DOE	Berkner Hall, Auditorium
10:45 a.m.	11:10 a.m.	"Looking Toward the Future at NSLS," Steven Dierker, NSLS Chairman	Berkner Hall, Auditorium

Simon Bare UOP, LLC
Chair, Users' Executive Committee, 2001-02
Condensed Matter Research Session Moderator (11:10 a.m. to 12:30 p.m.)

11:10 a.m.	11:40 a.m.	"Probing the Chemistry and Molecular Orientation in Gradient Surfaces With Soft X-rays," Jan Genzer, NCSU	Berkner Hall, Auditorium
11:40 a.m.	12:05 p.m.	"Resonant X-Ray Scattering: A Unique Probe of the Changing Orientational Order that Underlies the Rich Morphology of Phases Exhibited by Rod-Shaped and Banana-Shaped Liquid Crystal Molecules," Ron Pindak, NSLS/BNL	Berkner Hall, Auditorium
12:05 p.m.	12:30 p.m.	" <i>In situ</i> X-Ray Studies of Materials Processing," Karl Ludwig, Boston U.	Berkner Hall, Auditorium
12:30 p.m.	12:40 p.m.	UEC Charter Revision Proposal and Elections, Simon Bare	Berkner Hall, Auditorium
12:40 p.m.	2:10 p.m.	Lunch	Berkner Hall, outdoors

Caroline Kisker
Associate Professor, SUNY, Stony Brook
Publicity Chair NSLS Annual Users' Meeting, 2001-02
Structural Biology Research and Future X-ray Applications Session Moderator (2:10 p.m. to 3:30 p.m.)

2:10 p.m.	2:30 p.m.	"The Evolving Paradigm for Biomedical Research," Judith Vaitukaitis, Director of the National Center for Research Resources NCRR/NIH	Berkner Hall, Auditorium
2:30 p.m.	3:00 p.m.	"Ion Channel Structure and Function," Roderick MacKinnon, Rockefeller University	Berkner Hall, Auditorium
3:00 p.m.	3:30 p.m.	"Toward an X-Ray Free Electron Laser: History, Concepts, and Visions of Science," Joachim Stohr, SSRL	Berkner Hall, Auditorium
3:30 p.m.	3:45 p.m.	Coffee Break	Berkner Hall, Auditorium

Mark Chance
Director, Albert Einstein Center for Synchrotron Biosciences
Professor of Biochemistry, Biophysics, and Physiology, Albert Einstein College of Medicine
Biomedical Research Session Moderator (3:45 p.m. to 5:05 p.m.)

3:45 p.m.	4:05 p.m.	"Biomedical Research Opportunities at the NIBIB," Richard Swaja, Senior Science Advisor and Acting Director, Division of Biomedical Imaging, NIH NIBIB	Berkner Hall, Auditorium
4:05 p.m.	4:35 p.m.	"Imaging Tissue Composition in Disease: Applications of Synchrotron Infrared Microspectroscopy to Bone disease, Alzheimer's disease, and Prion-protein Diseases," Lisa Miller, NSLS/BNL	Berkner Hall, Auditorium
4:35 p.m.	5:05 p.m.	"Diffraction Enhanced Imaging: Principle and Applications to Breast Cancer and Osteoarthritis Research," Zhong Zhong, NSLS/BNL	Berkner Hall, Auditorium

5:05 p.m.	5:15 p.m.	Announcements: UEC Election Results and Student/Post Doc Poster Contest Winners	Berkner Hall, Auditorium
	5:15 p.m.	Main Meeting adjourned	
	5:15 p.m.	Conference Desk and Registration Office closes	Berkner Hall, Rm D
	5:15 p.m.	Vendor & Equipment Exhibit closes	Berkner Hall, Lobby
	5:15 p.m.	Poster Session closes	Berkner Hall, Rm B
5:15 p.m.	6:30 p.m.	UEC Meeting - All UEC Members invited (including newly elected members)	Berkner Hall, Rm. A
6:30 p.m.	10:00 p.m.	Banquet onsite at BNL	Berkner Hall, Cafeteria

Wednesday, May 22

7:30 a.m.		All attendees must check in at Conference Desk and Registration Office closes	Berkner Hall, Rm. D
8:30 a.m.		Workshop 5: "Recent Advances in the Application of Synchrotron Radiation to Catalysis," Simon Bare, (UOP)	NSLS, Bldg. 725B Seminar Rm.
8:45 a.m.		Workshop 6: "Combining Synchrotron Infrared and X-Ray Micro-Spectroscopy and Imaging," Lisa Miller, (BNL) and Antonio Lanzirotti, (U. of Chicago)	Chemistry, Bldg. 555, Hamilton Rm.
9:00 a.m.		Workshop 7: "In Situ Studies of Materials Processing," Karl Ludwig(Boston U.) Randy Headrick, (University of Vermont) and Chi-Chang Kao, (BNL)	Physics, Bldg. 510, Seminar Rm.
9:00 a.m.		Workshop 8: "Advanced Detectors Development," D. Peter Siddons, (BNL)	Biology Dept., Bldg. 463, Large Seminar Rm.
12 noon	1:00 p.m.	Lunch for Workshop Attendees	At Workshop Location
	5:00 p.m.	Workshops conclude	At Workshop Location
	5:00 p.m.	Conference Desk and Registration Office closes	Berkner Hall, Rm. D



2002 NSLS Users' Meeting

Workshops

The program of one-day workshops will focus on specific scientific topics and techniques of interest to the synchrotron community. The workshops currently planned are listed below. Follow the link for each workshop for more information.

Monday, May 20, 2002

Workshop 1	The Environmental Sciences: Synchrotrons Providing Powerful Tools for a New Science <i>Organizer(s):</i> Douglas Hunter, Savannah River Technology Center, 803-725-3339	Biology Dept. Bldg. 463, Large Seminar Room
Workshop 2	X-ray Sources for Studies of Ultrafast Processes <i>Organizer(s):</i> John Sutherland, BNL, 631-344-3279	National Synchrotron Light Source, Bldg. 725B, Seminar Room
Workshop 3	EXAFS Studies of Nanoscale and Nanostructured Materials <i>Organizer(s):</i> Vincent Harris, Naval Research Lab, 202-767-6249	Physics Department, Bldg. 510, Large Seminar Room
Workshop 4	Practical Aspects of Membrane Protein Crystallography: From Overexpression to Crystallization <i>Organizer(s):</i> Larry Shapiro, Columbia University, 212-342-6029 Filippo Mancia, Columbia University	Chemistry Dept. Bldg. 555 - Hamilton Room

Wednesday, May 22, 2002

Workshop 5	Recent Advances in the Application of Synchrotron Radiation to Catalysis <i>Organizer(s):</i> Simon Bare, UOP, 847-391-3171	National Synchrotron Light Source, Bldg. 725B, Seminar Room
Workshop 6	Combining Synchrotron Infrared and X-ray Micro-Spectroscopy and Imaging <i>Organizer(s):</i> Lisa Miller, NSLS, BNL 631-344-2091 Antonio Lanzirotti, University of Chicago, 631-344-5626	Chemistry Department, Bldg. 555, Hamilton Room
Workshop 7	In situ Studies of Materials Processing <i>Organizer(s):</i> Karl Ludwig, Boston University, 617-353-9346 Randy Headrick, Uni. of Vermont, 802-656-0048 Chi-Chang Kao, NSLS, 631-344-4494	Physics Department, Bldg. 510, Large Seminar Room
Workshop 8	Advanced Detectors Development <i>Organizer(s):</i> D. Peter Siddons, NSLS, BNL, 631-344-2738	Biology Department, Bldg. 463, Large Seminar Room