2004 NSLS Users' Meeting

Agenda

Sunday, May 16

Starts	Ends	Event	Location
4:00 p.m.		Attendees may check in at Conference Desk. Registration Office opens.	Berkner Hall, Bldg. 488, Rm. D
4:00 p.m.		Voting for 2004-05 UEC members available	Berkner Hall Lobby
	7:30 p.m.	Conference Desk and Registration Office closes	Berkner Hall, Bldg. 488, Rm. D

Monday, May 17

Starts	Ends	Event	Location
7:00 a.m.		All attendees must check in at Conference Desk and Registration Office opens	Berkner Hall, Bldg. 488, Rm. D
8:45 a.m.		**Workshop 1:** Better Ways to See the Light: Advanced Detectors for Synchrotron Radiation	Bldg. 555, Chemistry, Hamilton
8:25 a.m.		**Workshop 2:** Anatomy of a virus	Bldg. 463, Biology, Lg Seminar Rm
8:50 a.m.		**Workshop 3:** Grazing Incidence Small Angle Scattering	Bldg. 510, Physics, Lg Seminar Rm
9:00 a.m.		**Workshop 4:** Pharmaceutical Applications of Synchrotron Radiation	Bldg. 490, Medical Seminar Rm
11:00 a.m.	12 noon	**Tour of the NSLS**	NSLS, Building 725
12 noon	1:00 p.m.	Lunch for Workshop Attendees. Note: time is approximate. Please refer to Workshop Schedule.	At Workshop

	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
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 18

Starts	Ends	Event	Location
7:00 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
8:00 a.m.		Poster Session opens	Berkner Hall, Bldg. 488, Rm. B

Main Meeting Agenda

Lawrence S. Shapiro
Associate Professor, Dept. of Biochemistry and Molecular Biophysics
Jules and Doris Stein Professor of Research to Prevent Blindness
Columbia University
Vice Chair, UEC
Early Morning Session Chair (8:30 a.m. to 10:45 a.m.)

8:30 a.m.	8:40 a.m.	**"Welcome"**	Berkner Hall, Auditorium
8:40 a.m.	9:10 a.m.	**"BNL Update"** - Dr. Praveen Chaudhari, Laboratory Director	Berkner Hall, Auditorium
9:10 a.m.	9:40 a.m.	**"BES Update"** - Dr. Pedro Montano, Office of Basic Energy Sciences, Dept. of Energy	Berkner Hall, Auditorium
9:40 a.m.	10:20 a.m.	**"X-ray Imaging: Present Capabilities and Results, and Ideas for NSLS II"** - Prof. Chris Jacobsen, Dept. of Physics and Astronomy, Stony Brook University	Berkner Hall, Auditorium
10:20 a.m.	10:45 a.m.	Continental Breakfast / Coffee Break	Berkner Hall, Lobby

Antonio Lanzirotti
Research Scientist, Consortium for Advanced Radiation Sources
University of Chicago
2003 - 2004 UEC Chair
Late Morning Session Chair (10:45 a.m. to 2:30 p.m.)

10:45 a.m.	11:25 a.m.	**"NSLS Update"** - Dr. Steven Dierker, Associate Laboratory Director of Light Sources	Berkner Hall, Auditorium
11:25 a.m.	11:45 a.m.	**"Perspectives on Safety at a Light Source"** - Robert Casey, Associate Chair for ESH/Q, NSLS	Berkner Hall, Auditorium
11:45 a.m.	12:25 p.m.	**"Applications of Energy Dispersive X-ray Diffraction Strain Profiling in Material Science"** - Prof. Mark Croft, Dept. of Physics, Rutgers University	Berkner Hall, Auditorium
12:25 p.m.	12:55 p.m.	**"CFN Update"** - Dr. Robert Hwang, CFN Director	Berkner Hall, Auditorium
12:55 p.m.	1:15 p.m.	UEC Business	Berkner Hall,

			Auditorium
1:15 p.m.	2:30 p.m.	Lunch for Main Meeting Attendees	Berkner Hall Cafeteria

Paul A. Stevens
ExxonMobil Research and Engineering , Co.
Program Chair, 2004 Users' Meeting
Early Afternoon Session Chair (2:30 p.m. to 4:05 p.m.)

2:30 p.m.	3:10 p.m.	**"Structure of Nanocrystals and Crystallographically Challenged Materials Using Hard X-rays and the Atomic Pair Distribution Function Method"** - Prof. Simon Billinge, Dept. of Physics and Astronomy, Michigan State University	Berkner Hall Auditorium
3:10 p.m.	3:50 p.m.	**"Rattling Electrons with X-rays: Hard and Soft Approaches to Understanding Electronic Behavior in Solids"** - John P. Hill, Dept. of Physics, Brookhaven National Laboratory	Berkner Hall, Auditorium
3:50 p.m.	4:05 p.m.	Coffee Break	Berkner Hall, Lobby

Leemor Joshua-Tor
Associate Professor, Keck Structural Biology
Cold Spring Harbor Laboratory
Past UEC Chair 2002 - 2003
Late Afternoon Session Chair (4:05 p.m. to 5:30 p.m.)

4:05 p.m.	4:45 p.m.	**"Time Resolved and Anomalous SAXS Studies of Nucleic Acids"** - Prof. Lois Pollack, Dept. of Applied Physics, Cornell University	Berkner Hall, Auditorium
4:45 p.m.	5:25 p.m.	**"Understanding the Complex Morphologies of Homogeneous Ethylene/Olefin Copolymers Using Light and X-ray Scattering"** - Prof. Yvonne Akpalu, Dept. of Chemistry and Chemical Biology, Rensselaer Polytechnic Institute	Berkner Hall, Auditorium
5:25 p.m.	5:30 p.m.	Wrap Up / Poster Awards	Berkner Hall, Auditorium
	5:15 p.m.	Conference Desk and Registration Office closes	Berkner Hall, Rm. D
	5:15 p.m.	Vendor & Equipment Exhibit closes	Berkner Hall
	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 19

Starts	**Ends**	**Event**	**Location**
7:00 a.m.		All attendees must check in at Conference Desk and Registration Office closes	Berkner Hall, Rm. D
8:30 a.m.		**Workshop 5:** Advanced Optical Systems and Metrology for High Power and Coherent Beamlines	Bldg. 555, Chemistry, Hamilton
8:50 a.m.		**Workshop 6:** Applications of Synchrotron Based Methods to Hydrogen Storage Materials	Bldg. 463, Biology, Lg Seminar Rm
8:30 a.m.		**Workshop 7:** Nanoprobes for Nanoscience	Bldg. 510, Physics, Lg Seminar Rm
8:00 a.m.		**Workshop 8:** Crystallization, membrane proteins	Bldg. 725, NSLS Seminar Rm

12 noon	1:00 p.m.	Lunch for Workshop Attendees. Note: time is approximate. Please refer to Workshop Schedule.	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

Thursday, May 20

Starts	Ends	Event	Location
9:00 a.m.		**Workshop 8 Cont'd:** Crystallization, membrane proteins	Bldg. 725, NSLS Seminar Rm

2004 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 17, 2004

Workshop 1	Better Ways to See the Light: Advanced Detectors for Synchrotron Radiation *Organizer(s):* Peter Siddons, BNL (siddons@bnl.gov) Gianluigi De Geronimo, BNL (degeronimo@bnl.gov)	Bldg. 555, Chemistry, Hamilton
Workshop 2	Anatomy of a Virus *Organizer(s):* Marc Allaire, BNL (allaire@bnl.gov) Paul Freimuth, BNL (freimuth@bnl.gov)	Bldg. 463, Biology, Lg Seminar Rm
Workshop 3	Grazing Incidence Small Angle Scattering *Organizer(s):* Ben Ocko, BNL (ocko@bnl.gov) Detlef Smilgies, Cornell University (dms79@cornell.edu)	Bldg. 510, Physics, Lg Seminar Rm
Workshop 4	Pharmaceutical Applications of Synchrotron Radiation *Organizer(s):* Evgenyi Shalaev, Pfizer Inc. (evgenyi_y_shalaev@groton.pfizer.com Raj G. Suryanarayanan, College of Pharmacy (surya001@tc.umn.edu) Peter Stephens, SUNY Stony Brook (pstephens@notes.cc.sunysb.edu)	Bldg. 490, Medical Seminar Rm

Wednesday, May 19, 2004

Workshop 5	Advanced Optical Systems and Metrology for High Power and Coherent Beamlines *Organizer(s):* Peter Takacs, BNL (takacs@bnl.gov) Steve Hulbert, BNL (hulbert1@bnl.gov)	Bldg. 555, Chemistry, Hamilton
Workshop 6	Applications of Synchrotron Based Methods to Hydrogen Storage Materials *Organizer(s):* Trevor Tyson, NJIT (tyson@adm.njit.edu) Wolfgang Caliebe, BNL (caliebe@bnl.gov)	Bldg. 463, Biology, Lg Seminar Rm
Workshop 7	Nanoprobes for Nanoscience *Organizer(s):* Cecilia Sanchez-Hanke, BNL (hanke@bnl.gov) Peter Sutter, BNL (psutter@bnl.gov)	Bldg. 510, Physics, Lg Seminar Rm
Workshop 8	Crystallization, Membrane Proteins *Organizer(s):* Naomi Chayen, Imperial College of Science, Technology & Medicine (n.chayen@ic.ac.uk) Vivian Stojanoff, BNL (stojanof@bnl.gov)	Bldg. 725, NSLS Seminar Rm