



## 2012 NSLS/CFN Joint Users' Meeting

### Agenda

#### Sunday, May 20, 2012

Starts	Ends	Events	Location
12:00 PM	7:00 PM	Vendor Set Up (see exhibitor page for specific set-up)	Berkner Hall Lobby & Cafeteria
12:00 PM	7:00 PM	Poster Set Up (optional)	Berkner Hall Cafeteria
3:00 PM	7:00 PM	Ice Cream Social	Berkner Hall Lobby
4:00 PM	7:00 PM	Early Registration - Registration Office Opens	Berkner Hall Lobby & Conf. Rm. D

#### Monday, May 21, 2012

Starts	Ends	Events	Location
7:00 AM	5:30 PM	Registration Office opens (all attendees must check in before attending any event)	Berkner Hall Lobby & Conf. Rm. D
7:00 AM	11:30 AM	Exhibitor Set Up (see exhibitor page for specific location set-up)	Berkner Hall Lobby & Cafeteria
7:00 AM	11:30 AM	Poster Set Up	Berkner Hall Cafeteria
8:00 AM	5:00 PM	Vendor Exhibit	Berkner Hall Lobby & Cafeteria
8:30 AM	10:20 AM	<b>Morning Plenary Session - (Plenary Sessions are Open to All Free of Charge)</b>  Session Chair, Jen Bohon, Vice Chair, Photon Sciences Users' Executive Committee, Case Western University	Berkner Hall Auditorium
8:30 AM	8:35 AM	Welcome, Balaji Raghothamachar, Chair, CFN Users' Executive Committee, Stony Brook University	Berkner Hall Auditorium
8:35 AM	8:55 AM	BNL Update, Doon Gibbs, Deputy Director for Science and Technology, Brookhaven National Laboratory	Berkner Hall Auditorium
8:55 AM	9:40 AM	BES Update, Harriet Kung, Associate Director of Science for Basic Energy Sciences, U.S. Department of Energy	Berkner Hall Auditorium
9:40 AM	10:20 AM	Keynote Address, Gina Kolata, Bestselling Author and Award-winning Senior Writer for Science and Medicine for the New York Times, New York Times	Berkner Hall Auditorium
10:20 AM	10:40 AM	<b>Morning Break - Continental Breakfast Sponsored by IBM</b>	
10:20 AM	10:30 AM	Photo Session - UEC, DOE, BNL Management	
10:30 AM	10:35 AM	Photo Session - Users' Meeting Planning Committee	

10:40 AM	12:00 PM	<b>Late Morning Session</b>	Berkner Hall Auditorium
Session Chair, Dan Fischer, Chair, Photon Sciences Users' Executive Committee, National Institute of Standards and Technology			
10:40 AM	11:10 AM	Photon Sciences Update, Steve Dierker, Associate Laboratory Director for Photon Sciences, Brookhaven National Laboratory	Berkner Hall Auditorium
11:10 AM	11:40 AM	CFN Update, Emilio Mendez, Director, Center for Functional Nanomaterials, Brookhaven National Laboratory	Berkner Hall Auditorium
11:40 AM	12:00 PM	Introduction to Transition Workshop, Erik Johnson, Deputy Director for Programs, Photon Sciences Directorate, Brookhaven National Laboratory	Berkner Hall Auditorium
12:00 PM	1:30 PM	<b>Lunch Break</b>	
12:00 PM	1:30 PM	Joint UEC Luncheon with, Harriet Kung, Associate Director of Science for Basic Energy Sciences, U.S. Department of Energy	Berkner Hall, Room A
1:30 PM	5:30 PM	<b>Special Afternoon Session: NSLS User Transition Planning Forum</b>	Hamilton Seminar Room, Chemistry Bldg. 555
Session Chair, Erik Johnson, Deputy Director for Programs, Photon Sciences Directorate, Brookhaven National Laboratory			
1:30 PM	5:30 PM	<b>Workshops</b>	Workshop Locations
1:30 PM	5:30 PM	Workshop 1: Organic Materials at Nanoscale: Physics and Applications (Part I)	Berkner Hall, Room B
1:30 PM	5:30 PM	Workshop 2: Unique Tools for Energy Research: Chemical Analysis of Nanostructures using Electron Energy Loss Spectroscopy (EELS) and Energy-Dispersive X-ray Spectroscopy (EDS) (Part I)	CFN, Bldg. 725, Large Conf. Rm.
1:30 PM	5:30 PM	Workshop 3: Biofilms & Nanotechnology (Half-day Workshop)	Berkner Hall, Room A
	5:30 PM	All Workshops Conclude	Workshop Locations
	5:30 PM	Registration Office Closes	Berkner Hall, Room D
5:30 PM	8:00 PM	Exhibitor Reception and Poster Session	Berkner Hall Lobby & Cafeteria
<b>Tuesday, May 22, 2012</b>			
<b>Starts</b>	<b>Ends</b>	<b>Events</b>	<b>Location</b>
7:30 AM	5:00 PM	Registration Office open - all attendees must check in before attending any event	Berkner Hall Lobby & Conf. Rm. D
8:00 AM	5:00 PM	Vendor Exhibit and Poster Session	Berkner Hall Lobby & Cafeteria
8:30 AM	9:55 PM	<b>Early Morning Plenary Session (Plenary Sessions are Open to All Free of Charge)</b>	Berkner Hall Auditorium
Session Chair, Balaji Raghothamachar, Chair, CFN Users' Executive Committee, Stony Brook University			
8:30 AM	8:35 AM	Welcome, Daniel Fischer, Chair, Photon Sciences Users' Executive Committee, National Institute of Standards and Technology	Berkner Hall Auditorium
8:35 AM	9:15 AM	Snapshots of Ribosome Assembly in Bacteria by Synchrotron X-ray Footprinting, Sarah Woodson, Professor, Department of Biophysics, Johns Hopkins University	Berkner Hall Auditorium
9:15 AM	9:55 AM	Recent Advances in Cathode Lens Microscopy, Rudolf Tromp, Senior Manager, Nanoscale Materials, Processes and Devices, IBM T.J. Watson Research Center	Berkner Hall Auditorium
9:55 AM	10:20 AM	<b>Morning Break</b>	Berkner Hall Auditorium
10:20 AM	12:30 PM	<b>Late Morning Session</b>	Berkner Hall Auditorium

Session Chair, Nathalie Bouet, Vice Chair, CFN Users' Executive Committee,  
Brookhaven National Laboratory

10:20 AM	11:00 AM	What Novel Spectroscopic Techniques Can Tell us about the Physics of Strongly Correlated Materials, Michael Norman, Interim Division Director, Argonne Distinguished Fellow, Argonne National Laboratory	Berkner Hall Auditorium
10:20 AM	12:30 PM	BNL Exhibitors Networking Session ((Open to all BNL))	Berkner Hall Lobby & Cafeteria
11:00 AM	11:20 AM	Julian David Baumert PhD Thesis Award, Erik Johnson, Deputy Director for Programs, Photon Sciences Directorate, Brookhaven National Laboratory	
11:20 AM	11:35 AM	CFN UEC Update	
11:35 AM	11:50 AM	PS UEC Update - UEC Election Results	
11:50 AM	12:00 PM	Poster Winners and Community Service Award Winner	
12:00 PM	12:30 PM	From User to Partner: Building Research Collaborations at BNL, Walter G. Copan, Managing Director, BNL Office of Technology Commercialization and Partnerships, Brookhaven National Laboratory	Berkner Hall Auditorium
	12:30 PM	Plenary Session Ends	
12:30 PM	1:30 PM	Lunch	Berkner Hall
1:00 PM	4:30 PM	BNL Exhibitors Networking Session (open to all BNL)	Berkner Hall Lobby & Cafeteria
1:30 PM	5:30 PM	Workshops	
1:30 PM	5:30 PM	Workshop 1: (Part II) Organic Materials at Nanoscale: Physics and Applications	Berkner Hall, Room B
1:30 PM	5:30 PM	Workshop 2: (Part II) Unique Tools for Energy Research: Chemical Analysis of Nanostructures using Electron Energy Loss Spectroscopy (EELS), and Energy-Dispersive X-ray Spectroscopy (EDS)	CFN, Bldg. 725, Large Conf. Rm.
1:15 PM	5:30 PM	Workshop 4: Near-Field Infrared Microspectroscopy for Nanoscience: Methods, Instruments and Sources (Half-day Workshop)	NSLS, Bldg. 725, Seminar Rm.
1:00 PM	5:30 PM	Workshop 5: New Developments in High Resolution Electron Spectroscopy (Half-day Workshop)	Hamilton Seminar Room, Chemistry Bldg. 555

### Tuesday Night Users' Meeting Banquet

6:00 PM	6:30 PM	Travel to NSLS II - Buses will be available.	
6:30 PM	10:00 PM	Users' Meeting Annual Banquet	NSLS II Building 740

### Wednesday, May 23, 2012

Starts	Ends	Events	Location
8:00 AM	2:00 PM	Registration Office Opens - all attendees must check in before attending any event	Berkner Hall Lobby & Conf. Rm D
9:00 AM	2:00 PM	Workshop 6: Synchrotron Techniques in Microelectronics Research (Half-day Workshop)	NSLS, Bldg. 725, Seminar Rm.
9:00 AM	5:00 PM	Workshop 7: Applications of Synchrotron Techniques in Plant Biology	Berkner Hall, Room A
9:00 AM	5:00 PM	Workshop 8: Spin-Orbit Coupling in Condensed Matter: Topological Insulators and Related Materials	Berkner Hall, Room C
9:00 AM	4:15 PM	Workshop 9: X-Ray Beam Position Monitors: Hardware and Experience	Berkner Hall, Room B
8:30 AM	12:30 PM	Workshop 2: (Part III) Unique Tools for Energy Research: Chemical Analysis of Nanostructures using Electron Energy Loss Spectroscopy (EELS) and Energy-Dispersive X-Ray Spectroscopy (EDS) (Hands-on Session)	CFN, Bldg. 725, Large Conf. Rm.
12:00 PM	2:00 PM	Lunch for Workshop Attendees	Workshop Locations
	2:00 PM	Registration Office Closes	Berkner Hall & Conf. Rm D
	2:00 PM	Exhibitor Session Ends	Berkner Hall Lobby & Cafeteria

### Tuesday, May 21, 2013

Starts	Ends	Events	Location
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8:30 AM

10:10 AM

Morning Plenary Session - (Plenary Sessions are Open to All Free of Charge) Berkner Hall Auditorium

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## 2012 NSLS/CFN Joint Users' Meeting

### Workshops

Workshops 1 and 2 are full-day workshops. Part 1 will be held on Monday, May 21, and Part II on Tuesday, May 22. All workshops held on Monday, May 21 and Tuesday, May 22, are scheduled from 1:30 pm - 5:30 pm. Workshops held on Wednesday are full-day workshops.

#### Monday, May 21, 2012

Workshop 1	<b>Organic Materials at Nanoscale: Physics and Applications (Part I)</b> <i>Organizer(s):</i> Jurek Sadowski, CFN/BNL, sadowski@bnl.gov, Elio Vescovo, BNL, evescovo@bnl.gov	Berkner Hall, Bldg. 488, Conf. Rm. B
Workshop 2	<b>Unique Tools for Energy Research: Chemical Analysis of Nanostructures using Electron Energy Loss Spectroscopy (EELS) and Energy-Dispersive X-ray Spectroscopy (EDS) (Part I)</b> <i>Organizer(s):</i> Fernando Camino, CFN/BNL, fcamino@bnl.gov, Dong Su, CFN/BNL, dsu@bnl.gov	CFN, Bldg. 735, Large Conference Rm.
Workshop 3	<b>Nanotechnology in Bacterial Biofilm Research (Half-day Workshop)</b> <i>Organizer(s):</i> Saion Sinha, ssinha@newhaven.edu	Berkner Hall, Bldg. 488, Conf. Rm. A

#### Tuesday, May 22, 2012

Workshop 1	<b>Organic Materials at Nanoscale: Physics and Applications (Part II)</b> <i>Organizer(s):</i> Jurek Sadowski, CFN/BNL, sadowski@bnl.gov	Berkner Hall, Bldg. 488, Conf. Rm. B
Workshop 2	<b>Unique Tools for Energy Research: Chemical Analysis of Nanostructures using Electron Energy Loss Spectroscopy (EELS) and Energy-Dispersive X-ray Spectroscopy (EDS) (Part II)</b> <i>Organizer(s):</i> Fernando Camino, CFN/BNL, fcamino@bnl.gov; Dong Su, CFN/BNL, dsu@bnl.gov	CFN, Bldg. 735, Large Conference Rm.
Workshop 4	<b>Near-Field Infrared Microspectroscopy for Nanoscience: Methods, Instruments and Sources (Half-day Workshop)</b> <i>Organizer(s):</i> Larry Carr, carr@bnl.gov; co-organizers: Adrian Gozar, agozar@bnl.gov; Matt Sfeir, msfeir@bnl.gov; Eli Stavitski, istavitski@bnl.gov; Lisa Miller, lmiller@bnl.gov	NSLS, Bldg. 725, Seminar Rm.
Workshop 5	<b>New Developments in High Resolution Electron Spectroscopy (Half-day Workshop)</b> <i>Organizer(s):</i> Nils Martensson, Uppsala University, Sweden, Nils.Martensson@fysik.uu.se	Hamilton Seminar Room, Chemistry Bldg. 555

#### Wednesday, May 23, 2012

Workshop 2	<b>Unique Tools for Energy Research: Chemical Analysis of Nanostructures using Electron Energy Loss Spectroscopy (EELS) and Energy-Dispersive X-ray Spectroscopy (EDS) (Hand-on Session) (Part III)</b> <i>Organizer(s):</i> Fernando Camino, CFN/BNL, fcamino@bnl.gov; Su Dong, CFN/BNL, dsu@bnl.gov	CFN, Bldg. 735, Large Conference Rm.
Workshop 6	<b>Synchrotron Techniques in Microelectronics Research (Half-day Workshop)</b> <i>Organizer(s):</i> Abdul K. Rumaiz (PS/BNL), Jean Jordan-Sweet (IBM), Peter Siddons (PS/BNL), Jun Wang (PS/BNL) and Joseph Woicik (NIST)	NSLS, Bldg. 725, Seminar Rm.

Workshop 7	<b>Applications of Synchrotron Techniques in Plant Biology</b> <i>Organizer(s):</i> Tony Lanzirotti, University of Chicago, Lanzirotti@uchicago.edu, Tracy Pushon, Dartmouth College, tracy.punshon@dartmouth.edu	Berkner Hall, Bldg. 488, Conf. Rm. A
Workshop 8	<b>Spin-Orbit Coupling in Condensed Matter: Topological Insulators and Related Materials</b> <i>Organizer(s):</i> Tonica Valla, CMPMSD/BNL, valla@bnl.gov,	Berkner Hall, Bldg. 488, Conf. Rm. C
Workshop 9	<b>X-Ray Beam Position Monitors: Hardware and Experience</b> <i>Organizer(s):</i> John Smedley, IO/BNL, smedley@bnl.gov; Petr Ilinsky, PS/BNL, pilinski@bnl.gov; Lonny Berman, PS/BNL, berman@bnl.gov; Peter Siddons, PS/BNL, siddons@bnl.gov; Kazimierz Gofron, PS/BNL, kgofron@bnl.gov	Berkner Hall, Bldg. 488, Conf. Rm. B