

NSLS-II & CFN Users' Meeting

Welcome all:
Returning, first-time, and future users

May 20-22, 2019

Agenda

Sunday, May 19, 2019

Starts	Ends	Events	Location
4:00 PM	6:00 PM	Registration and Check In	Berkner Hall Lobby and Conf. Rm. D
4:00 PM	7:00 PM	Exhibitor Set Up (optional)	Berkner Hall Lobby and Cafeteria
4:00 PM	7:00 PM	Poster Set Up (optional)	Berkner Hall Cafeteria

Monday, May 20, 2019

Starts	Ends	Events	Location
7:00 AM	5:00 PM	Registration Office opens (All attendees must check in before attending any event)	Berkner Hall Lobby and Conf. Rm. D
7:30 AM	4:00 PM	Exhibitor Set Up	Berkner Hall Lobby and Cafeteria
7:30 AM	4:00 PM	Poster Set Up	Berkner Hall Cafeteria
9:00 AM	5:00 PM	NSLS-II and CFN Users' Meeting Workshops	Various Locations
9:00 AM	5:30 PM	WKSP 1: Scientific Python for Acquisition and Analysis at the Beamline	Computational Science (CSI) Bldg. 725
12:30 PM	5:35 PM	WKSP 2: Computational X-ray Spectroscopy: Application to Experiments	Center for Functional Nanomaterials (CFN) Bldg. 735
8:45 AM	5:00 PM	WKSP 3: NSLS-II 101: Introduction to the Light	Berkner Hall, Room B, Bldg. 488
9:00 AM	6:20 PM	WKSP 4: Macromolecular Serial Crystallography using the LCP Jet Injector	Physics Large Seminar Room, Bldg 510
1:30 PM	2:00 PM	Discovery Park Vendor Presentation, Martin Fallier, Brookhaven National Laboratory	Berkner Hall, Bldg. 488 Conf. Rm C
3:00 PM	5:00 PM	NSLS-II and CFN Facility Tours	National Synchrotron Light Source II (Bldg. 740) and Center for Functional Nanomaterials (Bldg. 735)
5:00 PM		Workshops Conclude	All Locations
5:00 PM		Registration Office Closes	Berkner Hall Lobby and Conf. Rm. D
5:30 PM	8:00 PM	Exhibitor Reception / Poster Session	Berkner Hall Lobby and Cafeteria

Tuesday, May 21, 2019

Starts	Ends	Events	Location
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7:30 AM	5:00 PM	Registration Office Opens (All attendees must check in before attending any event)	Berkner Hall, Bldg. 488, Lobby and Conf. Rm. D
8:00 AM	5:00 PM	Exhibitor Session	Berkner Hall Lobby and Cafeteria
9:00 AM	11:30 PM	Strategic Vision Plenary Session	
		Session Chair: Simerjeet Gill, Vice Chair, NSLS-II Users' Executive Committee	
9:00 AM	9:10 AM	"Welcome", Doon Gibbs, Director, Brookhaven National Laboratory	Berkner Hall Auditorium
9:10 AM	9:35 AM	"NSLS-II Update and Future Plans", John Hill, Deputy ALD for Energy Sciences & Photon Sciences and Director of NSLS-II, Brookhaven National Laboratory	Berkner Hall Auditorium
9:35 AM	10:00 AM	"Launching a Second Decade of Nanoscience", Chuck Black, Director, Center for Functional Nanomaterials (CFN), Brookhaven National Laboratory	Berkner Hall Auditorium
10:00 AM	10:30 AM	Morning Break - Continental Breakfast (included)	Berkner Hall Lobby
10:05 AM	10:10 AM	Photo Session, NSLS-II/CFN UEC Members, BNL and DOE Management	Outside Berkner Hall
10:10 AM	10:15 AM	Photo Session, Users' Meeting Planning Committee	Outside Berkner Hall
10:30 AM	10:50 AM	"An Update from the Office of Basic Energy Sciences", James B. Murphy, Director, Scientific User Facilities Division, Office of Basic Energy Sciences, U. S. Department of Energy	Berkner Hall Auditorium
10:50 AM	10:55 AM	Q&A Session with Morning Speakers	Berkner Hall Auditorium
10:55 AM	11:05 AM	Introduction of 2019-21 UEC Members	Berkner Hall Auditorium
11:05 AM	11:25 AM	Users' Meeting Poster Session Award Presentations	Berkner Hall Auditorium
11:25 AM	12:30 PM	Main Meeting Lunch (included - luncheon ticket required)	
11:30 AM	12:30 PM	UEC Lunch with BES	Berkner Hall Conference Room A
11:30 AM	3:30 PM	Exhibitor Networking Session and Presentations (Open to All BNL)	Berkner Hall Lobby and Cafeteria
12:30 PM	6:00 PM	NSLS-II and CFN Users' Meeting Workshops	
12:30 PM	6:00 PM	WKSP 5: Molten Salt Properties, Structures and Interfaces Under Extreme Environments	Center for Functional Nanomaterials (CFN) Bldg. 735
12:30 PM	5:40 PM	WKSP 6: Collective Phenomena in Quantum Materials	Physics Large Seminar Room, Bldg 510
12:30 PM	5:50 PM	WKSP 7: Data Challenges and Frontier of Analysis Techniques in X-ray Microscopy	Computational Science (CSI) Bldg. 725
1:30 PM	2:00 PM	Discovery Park Vendor Presentations, Martin Fallier, Brookhaven National Laboratory	Berkner Hall Bldg. 488, Conf Rm C
5:00 PM		Registration Offices Close	Berkner Hall Room D
6:00 PM		Workshops Conclude	Workshop Locations
6:30 PM	9:30 PM	Users' Meeting Annual Banquet	Giorgios Baiting Hollow
6:15 PM		Buses depart BNL to Giorgio's	Berkner Hall
9:30 PM		Buses depart Giorgio's to BNL	Giorgio's Baiting Hollow

Wednesday, May 22, 2019

Starts	Ends	Events	Location
8:00 AM	2:00 PM	Registration Office Opens (All attendees must check in before attending any event)	Berkner Hall Conf. Rm. D
8:00 AM	2:00 PM	Exhibitor Session	Berkner Hall Lobby and Cafeteria
9:00 AM	12:30 PM	Scientific Plenary Session	Berkner Hall Auditorium
		Session Chair: Joseph Garlow, Vice Chair, CFN Users' Executive Committee	
9:00 AM	9:05 AM	Welcome	Berkner Hall Auditorium
9:05 AM	9:35 AM	Plenary Talk 1: Exploring Defect-based Quantum Systems using Strain-	Berkner Hall Auditorium

		sensitive X-ray Microscopy, Joseph Paul Heremans, Scientist, Argonne National Laboratory	
9:35 AM	9:55 AM	Julian David Baumert, PhD Thesis Award and Presentation	Berkner Hall Auditorium
9:55 AM	10:15 AM	Brookhaven Women in Science 2019 Renate Chasman Award Presentation	Berkner Hall Auditorium
10:15 AM	10:35 AM	Morning Break (Included in Registration)	Berkner Hall Lobby
10:35 AM	11:05 AM	Plenary Talk 2: Opportunities and Challenges for Aerospace Materials in 2030, Richard Vaia, Senior Scientist for Emergent Materials Systems , Air Force Research Laboratory	Berkner Hall Auditorium
11:05 AM	11:20 AM	Introduction of Incoming UEC Members	Berkner Hall Auditorium
11:30 AM	12:30 PM	Lunch Break	Workshop Locations
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11:30 AM	1:00 PM	Exhibitor Networking Session (Open to All BNL)	Berkner Hall Lobby and Cafeteria
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12:30 PM	6:00 PM	NSLS-II and CFN Users' Meeting Workshops	Workshop Locations
12:30 PM	6:00 PM	WKSP 8: Multi-modal Synchrotron Approach – Research Needs and Scientific Vision	Berkner Hall, Room B - Bldg. 488
12:30 PM	7:00 PM	WKSP 9: Accelerating Research on Two-Dimensional Material Heterostructures for Quantum Information Science	Center for Functional Nanomaterials (CFN) Bldg. 735
12:30 PM	7:00 PM	WKSP 10: Opportunities for Synchrotron Studies in Advanced Manufacturing Research	Physics Large Seminar Room, Bldg 510
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2:00 PM		Registration Office Closes	
6:00 PM		Workshops Conclude - Meeting Adjourn	All Locations

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Workshops

Monday, May 20, 2019

Workshop 1	Scientific Python for Acquisition and Analysis at the Beamline <i>Organizer(s):</i> Daniel Allan (NSLS-II/BNL), NSLS-II DAMA Group	Computational Science (CSI) Bldg. 725
Workshop 2	Computational X-ray Spectroscopy: Application to Experiments <i>Organizer(s):</i> Deyu Lu (CFN/BNL), Hubertus van Dam (CSI/BNL), Eli Stavitski (NSLS-II/BNL), Bruce Ravel (NIST)	Center for Functional Nanomaterials (CFN) Bldg. 735
Workshop 3	Synchrotrons 101: Accelerator, Science and Applications <i>Organizer(s):</i> Lisa Miller (NSLS-II/BNL), Noel Blackburn (OEP/BNL) and Aleida Perez (OEP/BNL)	Berkner Hall, Room B, Bldg. 488
Workshop 4	Macromolecular Serial Crystallography using the LCP Jet Injector <i>Organizer(s):</i> Jose Martin-Garcia (Arizona State University); Martin Fuchs (NSLS-II/BNL), Wuxian Shi (NSLS-II/BNL)	Physics Large Seminar Room, Bldg 510

Tuesday, May 21, 2019

Workshop 5	Molten Salt Properties, Structures and Interfaces Under Extreme Environments <i>Organizer(s):</i> James Wishart (Chemistry/BNL), Simon Pimblott (Deputy Director, Energy Frontier Center on Molten Salts in Extreme Environments, INL), Shannon Mahurin (Chemical Sciences Division, ORNL), Lynne Ecker (Nuclear Science and Technology/BNL)	Center for Functional Nanomaterials (CFN) Bldg. 735
Workshop 6	Collective Phenomena in Quantum Materials <i>Organizer(s):</i> Mingda Li (MIT), Yong Cai (NSLS-II/BNL), Sara Haravifard (Duke University), Riccardo Comin (MIT), Divine Kumah (NCSU)	Physics Large Seminar Room, Bldg 510
Workshop 7	Data Challenges and Frontier of Analysis Techniques in X-ray Microscopy <i>Organizer(s):</i> Hanfei Yan (NSLS-II/BNL), Xianghui Xiao (NSLS-II/BNL), Mingyuan Ge (NSLS-II/BNL), Yong Chu (NSLS-II/BNL), Wah-Keat Lee (NSLS-II/BNL), Stuart Campbell (NSLS-II/BNL), Wei Xu (CSI/BNL)	Computational Science (CSI) Bldg. 725

Wednesday, May 22, 2019

Workshop 8	Multi-modal Synchrotron Approach – Research Needs and Scientific Vision <i>Organizer(s):</i> Karen Chen-Wiegart (NSLS-II/BNL), Eric Dooryhee (NSLS-II/BNL), Iradwikanari Waluyo (NSLS-II/BNL), Lin Yang (NSLS-II/BNL), Eli Stavitski (NSLS-II/BNL), Andrew Kiss (NSLS-II/BNL), Stuart Campbell (NSLS-II/BNL)	Berkner Hall, Room B - Bldg. 488
Workshop 9	Accelerating Research on Two-Dimensional Material Heterostructures for Quantum Information Science <i>Organizer(s):</i> Gregory Doerk (CFN/BNL), Philip Kim (Harvard University), Claudio Mazzoli (NSLS-II/BNL), Jurek Sadowski (CFN/BNL), Mark Dean (CMPMSD/BNL), Stuart Wilkins (NSLS-II/BNL)	Center for Functional Nanomaterials (CFN) Bldg. 735
Workshop 10	Opportunities for Synchrotron Studies in Advanced Manufacturing Research <i>Organizer(s):</i> Stan Petrash (Henkel Corp.), Ron Pindak (NSLS-II/BNL)	Physics Large Seminar Room, Bldg 510