

# NSLS-II & CFN Users' Meeting

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

May 18-20, 2020

## Agenda

### Monday, May 18, 2020

Starts	Ends	Events	Location
9:00 AM	5:00 PM	<b>NSLS-II and CFN Users' Meeting Workshops</b>	Session links will be provided to registered attendees
9:50 AM	3:00 PM	Wksp1: BNL User Facilities 101: Techniques, Applications, and Access for the Beginner	
1:00 PM	5:00 PM	Wksp2: Measuring Protein Dynamics using Very High Throughput Automated Micro-beam and Time Resolved Micro-beam Macromolecular Crystallography - Pt.1	
9:00 AM	2:10 PM	Wksp3: 2D and Quantum Materials: Emerging Phenomena, Device Fabrication and Applications	
5:00 PM		Workshops Conclude	Thank you for participating

### Tuesday, May 19, 2020

Starts	Ends	Events	Location
9:30 AM	12:00 PM	<b>Strategic Vision Plenary Session - <a href="#">Click here to see Session Playback</a></b>	BlueJeans Event - click on the session title to be directed to the event
9:45 AM	9:55 AM	Welcome Meeting Participants - BNL Safety Minute, Doon Gibbs, Director, Brookhaven National Laboratory	
9:55 AM	10:20 AM	NSLS-II Update, John Hill, Deputy ALD for Energy Sciences & Photon Sciences and Director of NSLS-II, Brookhaven National Laboratory	
10:20 AM	10:55 AM	CFN Update, Chuck Black, Director, Center for Functional Nanomaterials (CFN), Brookhaven National Laboratory	
10:55 AM	11:20 AM	Update from the Office of Science, Linda Horton, Associate Director of Science for Basic Energy Sciences, Office of Science - Basic Energy Sciences Department of Energy	
11:20 AM	11:40 AM	Q & A Session with DOE and Facility Directors	
11:40 AM	11:50 AM	Announcement of the Julian Baumert, PhD Thesis and Community Service Award Recipients	
11:50 AM	12:00 PM	Presenting your newly-elected NSLS-II and CFN UEC members	
1:00 PM	5:00 PM	<b>NSLS-II and CFN Users' Meeting Workshops</b>	Session links will be provided to registered attendees
1:00 PM	5:00 PM	Wksp2: Measuring Protein Dynamics using Very High Throughput Automated Micro-beam and Time Resolved Micro-beam Macromolecular Crystallography - Pt.2	
1:00 PM	3:30 PM	Wksp4: Scientific Python for Data Analysis at NSLS-II	
1:00 PM	4:00 PM	Wksp5: The Universe Seen through a Microscope: Characterization of Extraterrestrial Materials using Synchrotron Probes	
	5:00 PM	Workshops Conclude	Thank you for your participation

## Wednesday, May 20, 2020

Starts	Ends	Events	Location
9:15 AM	6:00 PM	<b>NSLS-II and CFN Users' Meeting Workshops</b>	Session links will be provided to registered attendees
9:15 AM	4:00 PM	Wksp6: Opportunities in Biosensing using New Nanotechnology Approaches	
10:30 AM	3:00 PM	Wksp7: Soft X-ray Scattering and Spectroscopy at NSLS-II: Gap Analysis	
12:25 PM	6:00 PM	Wksp8: Machine Learning in X-ray Imaging and Microscopy Applications – A Symposium with Hands-on Demonstrations	
6:00 PM		Workshops Conclude - Meeting Adjourned	Thank you for your participation

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## Workshops

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### Monday, May 18, 2020

Workshop 1	<b>BNL User Facilities 101: Techniques, Applications, and Access for the Beginner</b> <i>Organizer(s):</i> Aleida Perez (BNL/OEP), Matthew Whitaker (SBU), Abram Ledbetter (BNL/NSLS-II), Lisa Miller (BNL/NSLS-II)	Online
Workshop 2	<b>Measuring Protein Dynamics using Very High Throughput Automated Micro-beam and Time Resolved Micro-beam Macromolecular Crystallography - Day 1</b> <i>Organizer(s):</i> Jean Jakoncic, Martin Fuchs, Alexei Soares, Wuxian Shi, Herbert J. Bernstein (BNL/NSLS-II),	Online
Workshop 3	<b>2D and Quantum Materials: Emerging Phenomena, Device Fabrication and Applications</b> <i>Organizer(s):</i> Fernando Camino (BNL/CFN), Albert Davydov (NIST), Xu Du (SBU), Myung-Geun Han (BNL/CMPMS), Sooyeon Hwang (BNL/CFN), Jurek Sadowski (BNL/CFN), Patrick Vora (George Mason University)	Online

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### Tuesday, May 19, 2020

Workshop 2	<b>Measuring Protein Dynamics using Very High Throughput Automated Micro-beam and Time Resolved Micro-beam Macromolecular Crystallography - Day 2</b> <i>Organizer(s):</i> Jean Jakoncic, Martin Fuchs, Alexei Soares, Wuxian Shi, Herbert J. Bernstein (BNL/NSLS-II)	Online
Workshop 4	<b>Scientific Python for Data Analysis at NSLS-II</b> <i>Organizer(s):</i> Daniel Allan and the NSLS-II DAMA Group (BNL)	Online
Workshop 5	<b>The Universe Seen through a Microscope: Characterization of Extraterrestrial Materials using Synchrotron Probes</b> <i>Organizer(s):</i> Paul Northrup, (SBU/Geosciences Department), Sarah Nicholas (NSLS-II), Steven Jaret (AMNH)	Online

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### Wednesday, May 20, 2020

Workshop 6	<b>Opportunities in Biosensing using New Nanotechnology Approaches</b> <i>Organizer(s):</i> Oleg Gang (Columbia University/BNL), Dmytro Nykypanchuk, Jason S. Kahn, Mircea Cotlet (BNL/CFN)	Online
Workshop 7	<b>Soft X-ray Scattering and Spectroscopy at NSLS-II: Gap Analysis</b> <i>Organizer(s):</i> C. Mazzoli, A. Barbour, W. Hu, E. Vescovo, K. Kaznatcheev, L. Carr, Z. Liu, I. Waluyo, A. Hunt, V. Bisogni, J. Pellicciari, I. Jarrige, A. Walter, S. Wilkins (BNL/NSLS-II)	Online
Workshop 8	<b>Machine Learning in X-ray Imaging and Microscopy Applications – A Symposium with Hands-on Demonstrations</b> <i>Organizer(s):</i> Xianghui Xiao, Hanfei Yan, Ruipeng Li, Maksim Rakitin (BNL/NSLS-II), Yuewei Lin (BNL/CSI), Klaus Mueller (SBU)	Online