NSLS-II & CFN Virtual Users’ Meeting
Welcome all: Returning, first-time, and future users
May 23-26, 2022

Workshops

**Monday, May 23**
- NSLS-II and CFN 101: Techniques, Applications, and Access in Energy Sciences
- Electronic Structure of Nanomaterials: A Special Symposium in Honor of Dr. Mark Hybertsen
- Correlated Topological Materials for Quantum Information Sciences
- Magneto-Optical-Electronic Properties of Nanomaterials and Their Applications
- Understanding 3-D Printing of Soft Matter at the Molecular Level Instruments
- Data Access and Machine Learning at NSLS-II – A Tutorial (Part 1)

**Wednesday, May 25**
- 2D Materials and Beyond (Part 1)
- SPM User Community Meetup: “Hands-on Open” Source SPM Software Virtual “Hack a Day” Learning Session and Future Outlook on Artificial Intelligence Driven Autonomous SPM (Part 1)
- Advanced Metrology Needs for Addressing Critical Microelectronics Challenges
- Data Access and Machine Learning at NSLS-II – A Tutorial (Part 2)
- Electron Backscattered Diffraction (EBSD) Tutorial: Fundamentals, Basic Data Acquisition and Analysis (Part 1)
- Solvation Structure, Electrical Double Layer, and Interphases—Solving the Unsolvable
- Correlating Soft-X ray Tomography with Cryo-Electron Tomography for High Resolution Analysis of Cellular Structure

**Thursday, May 26**
- 2D Materials and Beyond (Part 2)
- SPM User Community Meetup: “Hands-on Open” Source SPM Software Virtual “Hack a Day” Learning Session and Future Outlook on Artificial Intelligence Driven Autonomous SPM (Part 2)
- Data-Driven Analysis, Characterization and Modeling in Battery Development and Manufacturing
- What is BEST for Atmospheric Sciences?
- Diagnosing Microscopic Sources of Qubit Decoherence by Multimodal Materials Analysis
- Electron Backscattered Diffraction (EBSD) Tutorial: Fundamentals, Basic Data Acquisition and Analysis (Part 2)

**Poster Q&A Session**

**Monday, May 23**
Self-directed poster viewing available on all days

**Strategic Plenary Session**

**Tuesday, May 24**
- Linda Horton, Associate Director of Science for Basic Energy Sciences
- Doon Gibbs, Director, Brookhaven National Laboratory
- John Hill, Director, National Synchrotron Light Source II & Deputy Associate Laboratory Director for Energy & Photon Sciences
- Chuck Black, Director, Center for Functional Nanomaterials
- Facilities and Flash Talks with Q&A
- Paul Northrup, Diversity, Equity, and Inclusion Discussion

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