

# NSLS-II & CFN Virtual Users' Meeting

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

May 17-20, 2021

## Workshops

Monday, May 17

NSLS-II and CFN 101: Techniques, Applications, and Access

Multi-modal Characterization of Structure and Properties in Additively Manufactured Metals

Cryo-EM at LBMS: Protein Structures, Protein-Protein and Protein-Cell Interactions

Ultrafast Pump Probe Optical Microscopy Techniques and their Applications in Nanoscience

Tuesday, May 18

Embracing Diversity in Science: a User Community Discussion

Wednesday, May 19

Characterization and Speciation of Marine Materials using Synchrotron Probes

Exploring Future Collaborations between NNSA and BNL/NSLS-II

Scientific Python for Data Analysis at NSLS-II

Towards the Next Generation of Photothermal and Near-Field Infrared Nanospectroscopy at the CFN and NSLS-II

Thursday, May 20

Structural Responses to Electronic Order in Quantum Materials from Total Scattering Approaches

Unraveling the Past – Paleoanthropology and X-ray Imaging

Liquid Surface Science

Machine Learning Augmented X-Ray Scattering and Spectroscopies

## Strategic Vision Plenary

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*

## Scientific Plenary Session

Latha Venkataraman, *Lawrence Gussman Professor of Applied Physics and Professor of Chemistry, Columbia University*

Jamie Fraser, *Professor, Department of Bioengineering and Therapeutic Sciences, University of California, San Francisco*

Brandy Toner, *Professor, College of Food, Agricultural, and Natural Resource Sciences, University of Minnesota*

## Poster Session

Monday, May 17



<https://www.bnl.gov/nsllscfnm/>