

- 8:30—8:40 Reju Pokharel (Los Alamos National Laboratory)
Opening Remarks
- 8:40—9:30 Charles A. Bouman (Purdue University)
Statistical Approaches to High-Quality 3-D Tomographic Reconstruction from Sparse Views
- 9:30—10:20 Edwin Fohtung (New Mexico State University/Los Alamos National Laboratory)
Big Data Requirements in Tracking Vortex Dynamics in a Single Ferroic Nanoparticle
- 10:20—10:40 Break/Workshop Picture
- 10:40—11:30 Kevin Yager (Brookhaven National Laboratory)
Towards an Autonomous X-ray Scattering Beamline
- 11:30—12:20 Shiu Fai Frankie Li (DITTO Technologies, Inc.)
Reconstructing and Analyzing 3D Multi-View Geometric Data, from Material Science to Computer Vision
- 12:20—1:30 Lunch
- 1:30—2:20 Stephen R. Niezgoda (Ohio State University)
Does Materials Science Have a Big Data Problem or Something Much Worse
- 2:20—3:00 Hemant Sharma (Argonne National Laboratory)
Solving Big Data and Big Computer Problems in X-ray Microscopy
- 3:00—3:20 Break
- 3:20—4:10 Jan Ilavsky and Peter R. Jemian (Argonne National Laboratory)
Enabling World-leading Collaborative Science Using SAXS at Light Sources, The Role of Common Data Analysis Tools and the Nexus Nxcansas Data Format for SAXS and SANS
- 4:10—4:50 Sven C. Vogel (Los Alamos National Laboratory)
Real-time Adaptive Acceleration of Dynamic Experimental Science
- 4:50—5:00 Turab Lookman (Los Alamos National Laboratory)
Concluding Remarks