8:30—8:40  Reeju 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 Nsxansas 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*