8:45 Opening Remarks

9:00 Kevin Jorissen (Amazon Web Services)
coming soon

9:30 Elise Jennings (Argonne National Laboratory)
Scientific Machine Learning at Argonne Leadership Computing Facility

10:00 Break

10:30 Shuai Liu (University of California-Berkeley, Lawrence Berkeley National Laboratory)
Driving Scientific Discovery with Artificial Intelligence, Advanced Data Analysis and Data Management in the APS-U Era

11:00 Kaizhong Gao (Argonne National Laboratory)
coming soon

11:30 Nouamane Laanait (Oak Ridge National Laboratory)
Decoding Inverse Imaging Problems in Materials with Deep Learning and Supercomputing

12:00 Lunch

1:30 Shyam Dwaraknath (Lawrence Berkeley National Laboratory)
The Materials Project: Conception to Confirmation in a Virtual Lab

2:00 John Rehr (University of Washington)
High-throughput Computational X-ray Absorption Spectroscopy

2:30 Maria Chan (Argonne National Laboratory)
Combining Characterization and Modeling Data for the Determination of Nanoscale Structures

3:00 Break

3:30 Youssef Nashed (Argonne National Laboratory)
Learning Phase Retrieval with Backpropagation

4:00 Daniela Ushizima (Lawrence Berkeley National Laboratory)
Thin Film Structure Identification through Convolutional Neural Networks Applied to Scattering Patterns

4:30 Discussion and Close Out