

- 8:30 – 8:40 Tamar Segal-Peretz (Argonne National Laboratory)
Opening Remarks
- 8:40 – 9:20 Wen Jiang (Purdue University)
Cryo-EM 3-D Reconstruction of Viruses at Sub-3 Angstrom Resolutions
- 9:20 – 10:00 Mark Ellisman (University of California, San Diego)
Multiscale Microscopy of the Brain: Where's the Dark Matter?
- 10:00 – 10:20 Break
- 10:20 – 10:40 Nestor Zaluzec (Argonne National Laboratory)
Challenges in Hyper-spectral Imaging and Analysis in the Analytical Electron Microscope
- 10:40 – 11:20 Rafal E. Dunin-Borkowski (Research Centre Jülich)
Towards Inverse Modeling of Magnetization and Charge Density in Nanoscale Materials Using Electron Microscopy
- 11:20 – 12:00 Jonathan Winterstein (National Institute of Standards and Technology)
How Quantitative is TEM Tomography?
- 12:00 – 1:30 Lunch
- 1:30 – 2:10 Hongqian Wang (Northwestern University)
3D Tomographic Measurements of Solid Oxide Fuel Cell and Li-Ion Battery Electrodes
- 2:10 – 2:50 Robert Winarski (Argonne National Laboratory)
Nanoscale X-ray Imaging Using Novel Contrast Mechanisms
- 2:50 – 3:10 Break
- 3:10 – 3:50 Daniel Pelt (Centrum Wiskunde & Informatica, Amsterdam)
Using Neural Networks to Improve the Reconstruction and Analysis of Nanoscale Tomography Data
- 3:50 – 4:30 Xiaogang Yang (Argonne National Laboratory)
Mathematical Methods for Multimodal Imaging
- 4:30 – 5:00 Charudatta Phatak and Amanda Petford Long (Argonne National Laboratory)
Closing remarks