

APS Workshop 6: Training Workshop on Combining Reverse Monte Carlo Analysis of X-ray Scattering and Extended X-ray Absorption

Tuesday, May 6, Afternoon

- 1:30 – 1:35 Workshop Organizers
Opening Remarks
- 1:35 – 1:55 Shelly D. Kelly (X-ray Science, Argonne National Laboratory)
Trends in Extended X-ray Absorption Fine Structure Spectroscopy
- 1:55 – 2:15 Byeongdu Lee (X-ray Science, Argonne National Laboratory)
Small Angle Scattering from the Dilute Solution of Nanoparticles
- 2:15 – 2:35 Markus Winterer (Faculty of Engineering and Center for Nano-integration
Duisburg-Essen [CENIDE], University of Duisburg-Essen)
*Combining Reverse Monte Carlo Analysis of X-ray Scattering and Extended
X-ray Absorption Spectroscopy*
- 2:35 – 2:45 Break
- 2:45 – 4:00 Markus Winterer (Faculty of Engineering and Center for Nano-integration
Duisburg-Essen [CENIDE], University of Duisburg-Essen)
*Examples and Demonstration of Combining Reverse Monte Carlo Analysis of
X-ray Scattering and Extended X-ray Absorption*
- 4:00 – 4:30 Chengjun Sun (Advanced Photon Source, Argonne National Laboratory)
*Panel Discussion of Application of Combining Reverse Monte Carlo Analysis and
Future Potential of Integrating with AI/ML*
- 4:30 Adjourn