APS Training #4: A Tutorial Workshop on XPCS for Probing Dynamics in Soft and Hard Matter

Wednesday, May 5, Morning
Focus: XPCS Theory and Applications

8:50 – 9:00  Alec Sandy (Advanced Photon Source, Argonne National Laboratory)
Opening Remarks

9:00 – 10:00  Laurence Lurio (Northern Illinois University)
Probing Material Dynamics Using X-ray Photon Correlation Spectroscopy

10:00 – 10:30  Qingteng Zhang (Advanced Photon Source, Argonne National Laboratory)
Small-angle XPCS

10:30 – 11:00  Suresh Narayanan (Advanced Photon Source, Argonne National Laboratory)
Rheology XPCS

11:00 – 11:15  Break

11:15 – 11:45  Zhang Jiang (Advanced Photon Source, Argonne National Laboratory)
Grazing-incidence XPCS

11:45 – 12:15  Eric Dufresne (Advanced Photon Source, Argonne National Laboratory)
Wide-angle XPCS

12:15 – 12:30  Joseph Strzalka (Advanced Photon Source, Argonne National Laboratory)
Beam Time Application

12:30 – 12:45  Qingteng Zhang (Advanced Photon Source, Argonne National Laboratory)
Preparation for Day 2

12:45 – 1:00  Q&A

Thursday, May 6, Morning
Focus: Hands-on Data Analysis and Visualization

9:00 – 10:00  Qingteng Zhang (Advanced Photon Source, Argonne National Laboratory)
Virtual Beam Time Tour

10:00 – 11:00  Suresh Narayanan (Advanced Photon Source, Argonne National Laboratory)
Data Flow and Analysis

11:00 – 11:15  Break
11:15 – 12:00  Qingteng Zhang (Advanced Photon Source, Argonne National Laboratory)  
*Hands-on Data Visualization*

12:00 – 12:30  *Q&A and Closing Remarks*