

Session 1: Chair, Chengjun Sun (Argonne National Laboratory)

8:25—8:30 Assemble

8:30—8:50 Steve Heald (Argonne National Laboratory)
Present and Future Applications of High-resolution Fluorescence Detection at Sector 20

8:50—9:15 Jenny Lockard (Rutgers University–Newark)
Probing Metal Spin States in Metal-Organic Frameworks with K-Beta X-ray Emission Spectroscopy

9:15—9:40 Yuming Xiao (HPCAT, Advanced Photon Source)
High-pressure X-ray Emission Spectroscopy at HPCAT

9:40—10:05 Yulia Pushkar (Purdue University)
Natural and Artificial Water Oxidation Mechanisms Revealed by X-ray Spectroscopy

10:05—10:30 Break

Session 2: Chair, Mali Balasubramanian (Argonne National Laboratory)

10:30—11:00 Kenneth Finkelstein (Cornell High Energy Synchrotron Source, CHESS)
XES and Spectrometer Developments at CHESS

11:00—11:30 Niranjana Govind (PNNL)
Exploring Electron Delocalization on the Femtosecond Timescale

11:30—11:55 Antonino Miceli (Argonne National Laboratory)
Recent Advances in Superconducting X-ray TES Spectrometers

11:55—12:00 Closing remarks