

Session Program

June 2, 2026



2026 User Meeting

Accelerating Innovation

June 2, 2026

2026 CHESS User Meeting ***Guest Speaker Presentations***

Cornell University, Physical Sciences Building
ZOOM

Tue, June 2

1:00 PM

Guest Speaker Presentations: "X-ray Spectroscopic Characterization of Soluble Methane Monooxygenase" - Olivia McCubbin Stepanic, Max Planck Institute for Chemical Energy Conversion

Session | **Location:** Cornell University, Physical Sciences Building, ZOOM

1:30 PM

1:30 PM

Guest Speaker Presentations: "A deep dive into ether lipids and membrane mechanics" - Jacob Winnikoff, Postdoctoral Scholar, Harvard University Dept. of Organismic and Evolutionary Biology

Session | **Location:** Cornell University, Physical Sciences Building, ZOOM

2:00 PM

2:00 PM

Guest Speaker Presentations: "Anomalous charge order in frustrated superconductors" - Stephen Wilson, Professor, Materials Department University of California, Santa Barbara

Session | **Location:** Cornell University, Physical Sciences Building, ZOOM

2:30 PM

2:45 PM

Guest Speaker Presentations: "Microbeam SAXS Reveals Structural and Functional Heterogeneity in 3D Printed Thermoplastic Elastomers" - Alice Ferguson, PhD, Senior Materials Scientist at Becton Dickinson

Session | **Location:** Cornell University, Physical Sciences Building, ZOOM

3:15 PM

3:15 PM

Guest Speaker Presentations: "Investigating reaction pathways of condensed phase thermites using time-resolved x-ray diffraction" - Dr. Ameer Polk, Research Chemical Engineer, DEVCOM CBC

Session | **Location:** Cornell University, Physical Sciences Building, ZOOM

3:45 PM

3:45 PM

Guest Speaker Presentations: "Noninvasive composition analysis of ancient Roman silver coins" - Louisa Smieska, XLEAP project scientist and EASL co-chair, CHESS & Kelly Elizabeth Nygren, Ph.D., Staff Scientist, Structural Materials Lead, CHESS

Session | **Location:** Cornell University, Physical Sciences Building, ZOOM

4:15 PM