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Type: **Invited talk**

Keynote Speech #5: Cultural heritage research at the Cornell High Energy Synchrotron Source (CHESS)

Thursday, November 23, 2023 9:00 AM (35 minutes)

The Cornell High Energy Synchrotron Source (CHESS) underwent a major upgrade in 2018, including rebuilding one-sixth of the electron storage ring and completely remodeling the experimental floor. This talk will describe current capabilities at CHESS for cultural heritage research, with an emphasis on multi-modal scan-probe methods such as x-ray fluorescence + diffraction. Example studies of illuminated manuscript fragments, painted panels, and degradation of wood, among others, will illustrate the talk.

Presenter: SMIESKA, Louisa

Session Classification: Alteration & Conservation 2