

Session Program

27 June 2025



Mini-Workshop on Data-Flows for Intelligent Sensing

SLAC June 27th, 2025

AUREIS mini-workshop on data-flows for Intelligent Sensing

Scattering and Diffraction - 1

SLAC, 40/1-195 - Sycamore

Friday 27 June

10:10

Scattering and Diffraction - 1

Session | **Location:** SLAC, 40/1-195 - Sycamore | **Convener:** Ryan Coffee

10:10-10:30 High-energy X-ray diffraction & Tomography

Speaker

Hemant Sharma

10:30-10:50 Deep learning pipeline for real-time bragg peak finding

Speaker

Cong Wang

10:50-11:10

Bulk dislocation dynamics imaging in real-time using dark field X-ray microscopy

Speakers

Brinthan Kanesalingam, Leora Dresselhaus-Marais

11:10-11:30 Realtime data reduction for XPCS

Speaker

Miaoqi Chu

11:30-11:50 XPCS Analysis from LCLS

Speaker

Yanwen Sun

11:50-12:10 X-ray diffuse scattering: Small differences on a constant background

Speaker

Tim van Driel

12:10