Session Program

5–6 Jan 2026

Symposium for Data-Driven Approaches in X-ray Absorption Spectroscopy (DataXAS)

Machine Learning for XAS Prediction and Analysis

ETH Zurich, Siemens Auditorium
Campus Hönggerberg

Monday 5 January

13:30

Machine Learning for XAS Prediction and Analysis
Session | **Location:** ETH Zurich, Siemens Auditorium, Campus Hönggerberg

13:30–14:10   **Machine Learning for X-ray Spectroscopy: Hero or Zero?**

Speaker
Prof. Thomas Penfold

14:10–14:40

Fine-tuning ab-initio XANES spectra calculations using the Bayesian Optimization algorithm.

Speaker
Andrey Sapronov

14:40–15:20   **Coffee Break**

15:20–15:50   **Predicting noise-free XAS spectra from noisy measurements**

Speaker
Dr Tomas Aidukas

15:50