

Session Program

23-28 Aug 2026



FEL2026 - 42nd International Free Electron Laser Conference

FEL Theory and Machine Learning (Invited)

Monday 24 August

14:00

FEL Theory and Machine Learning (Invited)

Session | Location: Stanford University

14:00-14:25

Space Charge Studies for Enhanced SASE at the Soft X-ray Beamline Athos at SwissFEL

Speaker

Sven Reiche

14:25-14:50

Homogeneity and Criticality of the time-dependent FEL action

Speaker

Dr Giovanni Perosa

14:50-15:15

Neural networks and differentiable-simulation based complete 6-dimensional phase space reconstruction using standard accelerator elements

Speaker

Seongyeol Kim

15:15-15:40

Overview and outlook of applying AI/ML to accelerator and FEL research

Speaker

Auralee Edelen

15:40