

Session Program

21-25 Sept 2026



Science@FELS

Forum on Advanced FEL Techniques

Paul Scherrer Institut, Auditorium (WHGA/001)

Thursday 24 September

14:00

Forum on Advanced FEL Techniques: Coherence

Session | **Location:** Paul Scherrer Institut, Auditorium (WHGA/001)

14:00-14:10 Introduction

Speaker

Marc Guetg

14:10-14:30 Overview Talk coherence

Speaker

Markus Gühr

14:30-14:50 HXRSS

Speaker

Daria Gorelova

14:50-15:10 Evolution of FLASH1 into a Fully Seeded, MHz-Capable FEL Facility

Speaker

Eugenio Ferrari

15:10-15:30

Extension of FERMI FEL operation across the water window and beyond

Speaker

Peter Susnjar

15:30-16:10 DISCUSSION

16:15

16:45

Forum on Advanced FEL Techniques: Tailoring Pulses

Session | **Location:** Paul Scherrer Institut, Auditorium (WHGA/001)

16:45-17:05 Tunable, phase-locked hard X-ray pulse sequences

Speaker

Philipp Dijkstal

17:05-17:25 Twin-Pulse user talk

Speaker

Cornelius Strom

17:25-17:45 Short and Multicolor FEL Pulse Generation at ARIA@SPARC_LAB

Speaker

Giacomo Griseri

17:45-18:10

Coherent sub-femtosecond X-ray radiation: single-spike pulses and mode-locked frequency combs

Speaker

Eduard Prat Costa

18:50

18:10-18:50

DISCUSSION

Friday 25 September

08:30

Forum on Advanced FEL Techniques: Short Pulses

Session | **Location:** Paul Scherrer Institut, Auditorium (WHGA/001)

08:30–08:50 **Overview short pulses**

Speakers

Tais Gorkhover, Tais Gorkhover

08:50–09:10 **XLEAP/LCLS/EuXFEL**

Speaker

Agostino Marinelli

09:10–09:40

Generation of Ultra-short FEL Pulses via Laser-driven Local Bunch Compression

Speaker

Philipp Amstutz

09:40–10:20 **DISCUSSION**

10:30

11:00

Forum on Advanced FEL Techniques: New Ideas and FEL User concepts

Session | **Location:** Paul Scherrer Institut, Auditorium (WHGA/001)

11:25–11:50

Hard X-ray Free Electron Laser pulse multiplexing and steering capabilities at the European XFEL

Speaker

Mikako Makita

11:50–12:10 **Attosecond update**

Speaker

River Robbles

12:10–12:30 **Beating slippage in externally seeded FELs for fs pulses**

Speaker

P. Rebernik

12:30–12:40 **closeout**

Speaker

Giovanni Perosa

12:50