

Session Program

23-28 Aug 2026



FEL2026 - 42nd International Free Electron Laser Conference

Tuesday Poster Session

Tuesday 25 August

16:00

Tuesday Poster Session

Poster Session | Location: Stanford University

Impact of fiducial magnets near the PITZ L-band electron source

Speaker

Frank Stephan

Accelerator Modeling Ecosystem for LCLS

Speaker

Michael Ehrlichman

Studies on optical cavity misalignment effects in the IR-FEL at RRCAT, India

Speaker

Sona Chandran P

Progress towards control of the carrier envelope phase in an FEL-oscillator

Speaker

J. Michael Klopff

Feasibility Modeling of Medical LINAC Driven Free Electron Lasers

Speaker

Mauro Siebeneichler Leffever

Extreme high-order harmonics from an FEL-oscillator

Speaker

J. Michael Klopff

Optimization of SRF CW Photoinjector Brightness for Optimal Performance of the XFEL

Speaker

Mikhail Krasilnikov

Gun5: A New Generation of Normal-Conducting RF Photogun for Long-Pulse Operation at the European XFEL

Speaker

Mikhail Krasilnikov

Title: Nonlinear Photoemission for Bright Beams in X-band Photoinjectors

Speaker

Kevin Eckrosh

The Optical Synchronization System at SHINE

Speaker

Jinguo Wang

Enabling Arbitrary Color Attosecond X-ray Pump-Probe Experiments with the LCLS Soft X-ray Delay Line

Speaker
Sean O'Tool

Temperature controlled, space charge injected Potassium Tantalate Niobate (KTN) deflector

Speaker
Timothy Suzuki

Development of a hybrid prism spectrometer with linear dispersion for coherent-radiation-based longitudinal diagnostics of ultrashort electron bunches

Speaker
Konstantin Kruchinin

Autonomous operation of the DIAG0 diagnostic line for 6D phase-space monitoring at LCLS-II

Speaker
Dylan Kennedy

Dispersion tuning in linear accelerators using microbunching damping

Speaker
Sergei Kladov

Python wire scanner analysis validation using historical LCLS data

Speaker
Tyler Kabana

A Digital Twin Framework for Particle Accelerators

Speaker
David Dunning

Towards Fully Non-Destructive Sub-Micrometer Resolution Transverse Diagnostics in FELs Using a Nano-Fabricated Wire Scanner

Speaker
Dr Francesca Addesa

Fault-tolerance analysis for an injector of continuous-wave free-electron lasers

Speaker
Zhen Zhang

Toward Adaptive Dynamic Desynchronization in FEL Oscillators

Speaker
Levi Fisher

Temporal photocathode laser pulse shape control for EuXFEL, FLASH and PITZ

Speaker
Ingmar Hartl

Transverse, Longitudinal and Intensity Jitter of the LCLS-II Beam powered by Superconducting RF

Speaker
Franz-Josef Decker

Performance of the superconducting linac RF for LCLS

Speaker

Sebastian Aderhold

Automation strategy and status at European XFEL**Speaker**

Matthias Scholz

Characterization of Energy and Energy Spread of Electron Beams from the High-Brightness Photoinjector at NSRRC**Speaker**

Ming-Chang Chou

Electron Beam Instrumentation for Advanced FEL Schemes in SwissFEL**Speaker**

Rasmus Ischebeck

An x-ray regenerative amplifier free-electron laser with a step-tapered undulator***Speaker**

Dr Henry Freund

Generation of frequency-tunable superradiant THz free electron laser at NSRRC**Speaker**

Ming-Chang Chou

Ultra-bright Cavity-based Free Electron Lasers**Speaker**

Madison Singleton

Efficiency enhancement in regenerative amplifier free-electron lasers using a tapered undulator***Speaker**

Dr Henry Freund

Improvement of KU-FEL performance by a new 1.6-cell photocathode RF gun with a semiconductor cathode**Speaker**

Heishun Zen

Present status of Kyoto University Free Electron Laser facility**Speaker**

Heishun Zen

Development of a Sheet-Beam Electron Source for Terahertz Smith-Purcell Radiation**Speaker**

Makoto Asakawa

Nanosecond Radio-Frequency Pulse Driven Photogun for Very Hard X-ray FELs**Speaker**

Ankur Dhar

Comment on “Laser mode complexity analysis in infrared waveguide free-electron lasers”

Speaker

Qika Jia

Laser-modulation-driven x-ray pulse shaping in regenerative amplifier free-electron lasers**Speaker**

Zhen Zhang

STATUS OF INFRARED FEL PROJECT AT ANHUI UNIVERSITY**Speaker**

Qika Jia

Time-resolved cross-correlation measurements of a two-color dual oscillator infrared free-electron laser**Speaker**

AKASH CHANDRA BEHERA

THz radiation driven by SRF accelerator at Peking University: plan and progress**Speaker**

Senlin Huang

Tunable Compact Non-Coplanar X-ray Cavity for Cavity Based X-ray Free-Electron Lasers**Speaker**

Yuri Shvyd'ko

Active Q-Switched XRAFEL with Start-to-End LCLS-II-HE Beams**Speaker**

Jingyi Tang

Observation of strong multi-pulse effects on spectral Broadening of long-wavelength infrared FEL pulses in a KRS-5 plate**Speaker**

Heishun Zen

Self-referenced attosecond streaking with electron-beam-driven fields in FELs**Speaker**

Federico Vismarra

When High QE Isn't Enough: Stabilizing LCLS-II Photocathodes**Speaker**

Theodore Vecchione

A Hard X-ray Storage Ring Free Electron Laser Oscillator at the APS-U**Speaker**

Emmanuel Aneke

18:00