

Session Program

Oct 13 - 15, 2026



LLRF Topical Workshop on Advanced Feedback Control (TWOAFC)

Poster Session & Coffee Break

Nova Gorica, Slovenia

Wed, October 14

4:30 PM

Poster Session & Coffee Break

Poster Session | Location: Nova Gorica, Slovenia

Modernization of the SPEAR3 RF Control System: From PEP-II Heritage Analog LLRF to a Distributed FPGA-Based Architecture

Speaker
Faya WANG

Advanced LLRF control and automatic RF conditioning for the SSRIP facility

Speaker
Beatrice Serenellini

New FPGA Architectures and the opportunities for implementing advanced control algorithms in LLRF systems

Speaker
Dr Philip Varghese

Development of DAC timing scan program for RAON Low Energy LINAC LLRF System

Speaker
Hyojae Jang

Active Optical Delay Stabilization of 1.3 GHz RF-over-Fiber Reference Distribution for LLRF Systems

Speaker
Kemal Shafak

RF Conditioning IP Core with vacuum feedback

Speaker
Bruno Valentin Seifert

Development and Experimental Validation of an X-Band LLRF Prototype for High-Gradient Linear Accelerators

Speaker
Phani Deep Meruga

Operational Adjustments to the SELAP Controller for Robust Cavity Control Under Adverse RF Conditions

Speaker
Dr Tomasz Plawski

Photonic RF Phase Monitor

Speaker
Russell Wilcox

QubiC: Enabling Full-Stack Hardware-Software Co-Design for Superconducting Quantum Processors

Speaker
Gang Huang

A digital controller for Q0 vs Eacc measurement of SRF cavities at STFC Daresbury Laboratory

Speakers
Conor Jenkins, Matthew Jones

Initial Development of a Resonant Kicker (RK) LLRF for PAL-XFEL

Speaker
Jinyul Hu

High-Frequency MicroTCA Pulsed Cavity Controller at CERN

Speaker
Daniel Harryman

Quench Detection and Trip Classification Developments at DESY

Speaker
Joshua Einstein-Curtis

Simple and Reliable Digital Electronics for Beam Monitoring and Control

Speaker
Benoit Roche

FPGA Control Platform for the Elettra 2.0 DLLRF Feedback System

Speaker
Gabriele Brajnik

Integration of White Rabbit into an FPGA-Based Low-Level Radio Frequency (LLRF) System for Deterministic Triggering and Low-Latency Interlock Communication

Speaker
Juan Salvador Fernández Prat

Minimizing the RF power requirements at injection in the Large Hadron Collider

Speaker
Dr Diego Barrientos

6:30 PM