

Session Program

30 August 2026 to 3 September 2026



IBIC2026 - 15th International Beam Instrumentation Conference

Tuesday Poster Session 2

Whistler Conference Centre, Rainbow Theatre
4010 Whistler Way, Whistler, BC

Tuesday 1 September

16:20

Tuesday Poster Session 2

Poster Session | **Location:** Whistler Conference Centre, Ballroom C

Design and simulation of a resonant stripline transverse feedback kicker

Speaker

Xiaoyu Liu

High-intensity heavy-ion beam diagnostics over a nine-order-of-magnitude dynamic range

Speaker

Tong Liu

Enhanced reconstruction method employing machine learning for electro-optic sampling of shaped high energy electron beams

Speaker

Spencer Kelham

Implementation and performance evaluation of a high-resolution bunch-by-bunch phase detection system

Speaker

Chih-Hsien Huang

A study on beam orbit stability improvement in the BEPCII storage ring via neural network and filtering techniques

Speaker

Jiuqing Wang

Libera Digit 500 as a precise averaged bunch-by-bunch charge readout at ESRF

Speaker

Simon Mattiazzi

Bunch-selective diagnostics of operational H^- beams enabled by single picosecond laser pulses

Speaker

Yun Liu

Beam position stability and global orbit feedback system at SESAME

Speaker

Hussein Al-Mohammad

Phase matching of longitudinal hollow electron bunch and ion bunch in a storage ring

Speaker

Prof. Xiaodong Yang

Injection efficiency measurement at SESAME

Speaker

Hussein Al-Mohammad

Live modelling of accelerator cavities in a digital twin using PyORBIT**Speaker**

Brandon Cathey

Bunch length measurement with a stripline fast Faraday cup at the end of SCL3 and the KoBRA beamline in RAON**Speaker**

Dr Jangwon Kwon

Bunch Length Measurement using Beam Spectrum at ALBA**Speaker**

Laura Torino

Bunch-by-bunch feedback subsystems to measure beam characteristics on SuperKEKB rings**Speaker**

Makoto Tobiyama

First operation experience with the SLS 2.0 fast orbit feedback system**Speaker**

Boris Keil

SuperDORIS: the upgrade of the DORIS beam phase tracker for Diamond-II booster feedback**Speaker**

Lorraine Bobb

New electronics for bunch arrival time monitors**Speaker**

Jiri Kral

Modernising the ISIS ideal extract buffer unit**Speaker**

Ryan Allinson

Development of bunch-by-bunch feedback electronics**Speaker**

liang xu

High-precision calibration and pulse invariant charge reconstruction in ICT-based diagnostics for C-band FLASH electron linacs**Speaker**

Alessandro Curcio

Development of a compact Cryogenic Current Comparator for CRYRING@ESR at GSI**Speaker**

Sankalp Shinde

AI-controlled SRF linac based on phase-locked CW magnetrons**Speaker**

Dr Sergey Kuzikov

Design and development of a fast Faraday cup for bunch length measurements in the CSNS MEBT

Speaker

Muhammad Abdul Rehman

High-precision beam current and lifetime diagnostics system for Hefei Advanced Light Facility

Speaker

Mr An Wang

Toroid diagnostics development for the ISIS MEBT upgrade

Speaker

James FitzGibbon

Development of an iGp12-based bunch-by-bunch current and lifetime diagnostic system for current/lifetime-aware top-up injection at PLS-II

Speaker

Si-Won Jang

Design of the stripline kickers for Materials Science Synchrotron Light Source

Speaker

Longwei Lai

Measurement of neutron energy spectra and angular distributions using activation foils at NDPS of RAON

Speaker

Sinchul Kang

Design of beam arrival time monitor for beam-driven plasma wakefield accelerator project

Speaker

Xiaoyu Liu

Towards energy spread measurements of the LANSCE H- beam

Speaker

Heather Andrews

Canadian Light Source PicoScopes

Speaker

Chloe Martin

Characterisation of coherent Cherenkov diffraction radiation in a bunch length monitor for AWAKE

Speaker

Jack McGunigal

Progress on magnetic quadrupole pick-up structure at FRIB

Speaker

Carlos Sarabia-Cardenas

Experiments with MEMS accelerometers at FLUTE@KIT

Speaker

Micha Reissig

Development of new fast orbit feedback system for the SSRF storage ring**Speaker**

Longwei Lai

New intra-bunch feedback system in J-PARC Main Ring**Speaker**

Daiki Nagao

Filling pattern monitor: An upgraded photon-based diagnostic system for SLS 2.0**Speaker**

Daniele Felici

Development of the Cryogenic Current Comparator for heavy ion accelerators**Speaker**

Thomas Sieber

Design and Monte Carlo simulation of a high-power beam dump for LEDP in the CSNS-II linac**Speaker**

Renjun Yang

Digital interference suppression methods for nA intensity measurements with the cryogenic current comparator**Speaker**

Svenja Kolbe

Development of RFSoc-based transverse bunch-by-bunch feedback and real-time betatron tune monitor for SPring-8-II**Speaker**

Toshinori ABE

Electro-optical longitudinal bunch profile monitor at FLUTE: from commissioning to first bunch profile measurements**Speaker**

Micha Reissig

Cavity-based beam charge and arrival time monitor**Speaker**

Atharva Kulkarni

Software-Defined TCSPC with Dynamic BPM Phase Tracking for Multi-Bunch Longitudinal Diagnostics at the HLS-II Storage Ring**Speaker**

MingDong Ma

Femtosecond-scale bunch compression and arrival-time diagnostics at the MAX IV linear accelerator**Speaker**

Dr Oliver Grimm

Background and timing from the LANSCE longitudinal profile monitor**Speaker**

Heather Andrews

Ultra-broadband direct THz detectors for longitudinal electron beam diagnostics

Speaker

Mr Bernhard Scheible

Machine-learning reconstruction of injected-beam longitudinal phase space from transient longitudinal motion

Speaker

Dechong Zhu

RF-measurements using planar pickups on a printed circuit board down to the present single-digit femtocoulomb detection limit

Speaker

Mr Bernhard Scheible

18:20