Session Program

August 30, 2026 to September 3, 2026

IBIC 2026

15TH INTERNATIONAL BEAM INSTRUMENTATION CONFERENCE

Whistler Conference Centre

August 30th to September 3rd

Whistler, BC, Canada

IBIC2026 - 15th International Beam Instrumentation Conference

Wednesday Poster Session 3

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

Wed, September 2

4:00 PM

Wednesday Poster Session 3

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

RFSoC-based direct RF sampling scheme with preliminary tests on CBPM and BAM pickups

Speaker
Ruizhe Gong

Development and test of 3.3 GHz cavity BPMs for cSTART at the Swiss Light Source

Speaker
Boris Keil

Evaluation of MTCA.4 based Libera Brilliance X BPM electronics at NSLS-II

Speaker
Manuel Cargnelutti

Development and performance evaluation of a new BPM data acquisition system for J-PARC MR

Speaker
Kenichirou Satou

X-ray beam intensity monitoring for CBXFEL cavity alignment and commissioning

Speaker
An Le

Preliminary design of the digital signal processing scheme for the CSNS-II RCS BPM electronics

Speaker
Chunjie Xie

Development of readout software for EPICS-based beam position measurement system of CSNS-II

Speaker
Zhihong Xu

Canadian Light Source Machine Toolbox

Speaker
Tonia Batten

Integrated beam diagnostics and simulation for online proton storage ring tuning at LANSCE

Speaker
En-Chuan Huang

Real-time prediction of multi-turn beam dynamics using ML surrogates for the proton storage ring at LANSCE

Speaker
En-Chuan Huang

A scalable phosphor-based beam profile monitoring platform at RAON

Speaker
Geonhee Oh

Development of an EPICS-based 8-channel 5 GSample/s waveform digitizer and 10 GSample/s function generator for RF System-On-Chip generation 3

Speaker
David Madlener

Usage of Red Pitaya single board DAQ system in COSY beam instrumentation

Speaker
Christian Boehme

Development of a new BPM system for the HL-LHC Inner Triplets

Speaker
Chris Hulley

Measurement of loaded and intrinsic Q-factors of over-coupled SRF cavities operated in SEL mode

Speaker
Dr Sergey Kuzikov

Development of a novel bunch-by-bunch beam size monitor using silicon strip sensors and the RFSoC architecture

Speaker
Gaku Mitsuka

Calibration of the simulation model based on 6-dimensional phase space reconstruction at the PAL-XFEL

Speaker
Seongyeol Kim

Development of a BPM system for the ISIS MEBT

Speaker
Yusuf Fazlee

Optimization of ALBA II BPM pickups

Speaker
Laura Torino

Synchrotron beam position monitors performance with Libera Hadron system in CNAO facility

Speaker
Manuel Cargnelutti

Design of a high-performance BPM diagnostic system

Speaker
Andrew Young

FPGA machine learning for ESS beam diagnostics using Vitis AI DPU and hls4ml on Xilinx Versal board

Speaker
Rok Hrovatin

Optimized beam position monitor for the RFT-30 cyclotron

Speaker
Dr Donghyun Kwak

Non-invasive determination of scaling and skew factors for X-ray beam position monitors

Speaker
Claire Houghton

Recent beam characterization and performance baseline of the Siam Photon Source injector

Speaker
Dr Thakonwat Chanwattana

Cryogenic beam position monitors production for high luminosity LHC

Speaker
Gerhard Schneider

Analog front end for a ultra-short pulse acquisition system at the cSTART accelerator: circuit simulation

Speaker
Marvin Noll

The impact of software in data acquisition: a Canadian Light Source example

Speaker
Chelsea-Lea Randall

Turn-by-turn tune analysis using adaptive BPM ensembles in the Fermilab Mu2e delivery ring

Speaker
Derek Steinkamp

Radiation hardness test of a silica aerogel cherenkov radiator for a muon beam profile monitor for the J-PARC muon g-2/EDM experiment

Speaker
Risa Nakagawa

An FPGA-based BPM with simultaneous harmonic acquisition and dual RF/White Rabbit synchronization for IFMIF-DONES

Speaker
Janis DeWitt

Sensitivity of button- and stripline beam position monitors to crabbing angle and trajectory tilt angle

Speaker
Mr Daniel Sittard

Design optimization and RF characterization of the SPS-II storage ring BPM prototype

Speaker
Ms Porntip Sudmuang

ALS-U beam diagnostics: beam position monitor (BPM) characterization and testing

Speaker
Jared De Chant

Performance testing of DBPM for the HALF storage ring

Speaker
MingDong Ma

Laboratory closed-loop testing of the HALF beam current monitor based on high-fidelity beam signal simulator

Speaker
MingDong Ma

Unsupervised deep learning framework for longitudinal bunch-by-bunch phase diagnostics and status monitoring at HLS-II

Speaker
Xinru Gao

Phase calibration of signal cables for TOF measurement at KOMAC 100 MeV proton accelerator

Speaker
Seok Ho Moon

The new upgraded beam profile monitoring system of the CERN IRRAD proton irradiation facility for post LS3

Speaker
Federico Ravotti

RFSoC based stripline BPM readout hardware for use at SuperKEKB's injection points

Speaker
Bela Urbschat

Performance improvement of the XBPM2 in the TPS front end

Speaker
Chia-Mu Cheng

Bunch-by-bunch phase detection and filling pattern measurement via digital I/Q demodulation

Speaker
Chih-Hsien Huang

Design and optimization of a non-interceptive capacitive pick-up monitor for TOF-based beam energy monitoring at the RFT-30 cyclotron

Speaker
Dr Donghyun Kwak

Operational experience with the RFSoC for the HL-LHC BPM system

Speaker
Chris Hulley

6:00 PM