

IBIC 2026 Program - August 30th to September 3rd, 2026

Time (UTC-7)	Sunday, August 30th	Monday, August 31st	Tuesday, September 1st	Wednesday, September 2nd	Thursday, September 3rd	Time (UTC-7)
		Welcome / Special Talks / IBIC Prize / Beam Position Monitors - Marco Marchetto	Feedback Systems and Beam Stability - Thibaut Lefevre	Data Acquisition and Processing Platforms - Tonia Batten	Overview and Commissioning - Volker Schlott	
9:00		Welcome				9:00
9:10		Special Talk Cornelia Hoehr (TRIUMF) The Diagnostic World of Radioactive Beams	MC06 - Michele Carli [25] Experimental Demonstration of Emittance Coupling Control via an AC Skew Quadrupole Driven at the Difference Resonance (3 π -Q π)	MC07 - Qiyuan Xu [17] Development of radiation-tolerant beam imaging via multimode fiber and synthetic data-driven machine learning	MC09 - Hong Ming Xie [7] Experience with heavy ion beam instrumentation during HIAF beam commissioning	9:10
9:20						9:20
9:30						9:30
9:40		IBIC Prize	MC06 - Markus Hoffmann [9] Distributed Acoustic Sensing for Accelerator Stability and Environmental Diagnostics	MC07 - Tobias Habermann [2] Neural Network Applications for real-time Processing	MC09 - Renjun Yang [8] Overview and Status of Beam Diagnostics Development for the CSNS Upgrade Project	9:40
9:50		MC03 - Manfred Wendt [39] Beam Instrumentation Challenges for the Electron-Ion Collider Project	MC06 - Qian Wang [142] Nondestructive beam energy spread diagnostics for RF phase feedback in linear accelerators	MC07 - Juri Jöul [135] A next-generation hybrid pixel detector readout system for beam instrumentation at CERN	MC09 - Abdulrahm Oguz [64] Optical Imaging-Based Beam Instrumentation for High-Power Accelerator Commissioning and Operation at the Spallation Neutron Source	9:50
10:00						10:00
10:10						10:10
10:20						10:20
10:30		Break	Break	Break	Break	10:30
10:40						10:40
10:50		Faraday Cup Award / Transverse Profile and Emittance Monitors - Kevin Jordan	Longitudinal Diagnostics and Synchronization / Feedback Systems and Beam Stability - Junhui Yue	Beam Loss Monitors and Machine Protection / Data Acquisition and Processing Platforms - TBA	Special Talks / Closing - Marco Marchetto	10:50
		Faraday Cup Award				
11:00		MC04 (FC Award) - Daniele Butti [18] Full-cycle, noninvasive emittance monitoring with the beam gas curtain monitor at the LHC	Tutorial MC05 - Sergey Tomlin [38] Longitudinal Phase-Space Diagnostics Using Passive Wakefield Streakers at FELs	Tutorial MC02 - Timmy Lersch [21] Machine Protection System for modern Light Sources	Special Talk TBA	11:00
11:10						11:10
11:20		MC04 - Riku Nomura [81] Development and Beam Observations of an Ultra-Fast Bunch-by-Bunch X-ray Beam Size Monitor at SuperKEKB			IBIC 2027	11:20
11:30						11:30
11:40			MC06 - Boris Keil [123] Real-Time Direct Sampling Bunch-By-Bunch Arrival Time Measurement on RF Systems-On-Chip For Multibunch Feedbacks	MC07 - Peng Zhu [172] An Ultra-Low Latency ATCA-based Data Acquisition Platform for Real-time Beam Current Monitoring and Fast Protection at CSNS-II	Closing	11:40
11:50		Conference Photo				11:50
12:00						12:00
12:10						12:10
12:20						12:20
12:30						12:30
12:40		Lunch	Lunch	Lunch	Preparation for Departure	12:40
12:50						12:50
13:00						13:00
13:10						13:10
13:20						13:20
13:30		Transverse Profile and Emittance Monitors - Gero Kube	Longitudinal Diagnostics and Synchronization / Beam Charge and Current Monitors - Peter Forck	Beam Loss Monitors and Machine Protection / Special Talks - Dave Gassner		13:30
13:40		MC04 - Alessandro Curcio [6] Betatron Radiation as a Dual Diagnostic for Electrons and Photons in Plasma Accelerators	MC05 - Ana Gusao-Betancur [14] Designing a Femtosecond-Resolution Bunch Length Monitor Using Coherent Transition Radiation Images	MC02 - Cigdem Ozkan Loch [22] Operational Experience with the SIS 2.0 Beam Loss Monitoring System		13:40
13:50						13:50
14:00		MC04 - Chunjie Xie [141] Large-diameter Carbon Nanotube fiber for H ⁺ /proton beam diagnostics: Fabrication, test and implementation at CSNS accelerator	MC01 - Hui Wen Itay [106] A Real-Time AC Current Monitoring System for TRIUMF Driver Accelerators	MC02 - John Dusatko [161] Design of the LCLS-II HE Burn-Through Monitor Readout Electronics		14:00
14:10						14:10
14:20		MC04 - Ximru Gao [62] Polychromatic Synchrotron Interferometer for HALF: Single-Shot Two Dimensional Beam Profiling	MC01 - Peter Goham [109] Vector potential-based beam current sensors: Applications for Mu2e, and picosecond bunch substructure	MC10 - Hussein Al-Mohammad [202] Diagnostics Devices, Challenges and Developments at the SESAME Light Source		14:20
14:30						14:30
14:40						14:40
14:50		Break	Break	Break		14:50
15:00						15:00
15:10		Beam Position Monitors - Carsten Welch	Longitudinal Diagnostics and Synchronization - Alessandro Cianchi	Machine Parameter Measurements - Lorraine Bobb	Transportation to Vancouver or TRIUMF	15:10
15:20		MC03 - Michael Chin [39] Beam Position Monitor Electronics for ALS-U using RFSDC	MC05 - Wei Liu [5] Cavity-based bunch arrival monitor for Ultrafast Electron Diffraction beamlines	MC08 - Seongyeol Kim [16] Complete 6-dimensional phase space reconstruction based on neural networks and differentiable simulation with standard elements	TRIUMF Tour (No Return to Whistler)	15:20
15:30						15:30
15:40		MC03 - Claire Houghton [100] Design and Validation of Front-End XBPMs for APPLE Insertion Devices for Diamond-II	MC05 - Paangsek Poshkarna [59] Photonic lanterns: flexible, efficient, and affordable radiators for novel diagnostics at picosecond resolution	MC06 - Ryo Kitamura [140] Estimation of beam parameters with the bunch-shape monitor using the machine learning		15:40
15:50						15:50
16:00		MC03 - Laura Pedraza [68] Development and characterization of a high-resolution re-entrant cBPM system at the ATF Linac				16:00
16:10						16:10
16:20		MC03 - Giuly Valeria Passarelli [61] Development of a novel wide-bandwidth pickup for intrabunch measurements				16:20
16:30						16:30
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17:50	Registration (Opens 3:00)					17:50
18:00	Welcome Reception (6:00 - 9:00)					18:00
18:10						18:10
18:20			SPC Meeting			18:20
18:30						18:30
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20:00				Conference Banquet		20:00
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20:50						20:50