IBIC 2026

15TH INTERNATIONAL BEAM INSTRUMENTATION CONFERENCE

Whistler Conference Centre

August 30th to September 3rd

Whistler BC, Canada

Time (UTC-7)	Sunday, August 30th	Monday, August 31st	Tuesday, September 1st	Wednesday, September 2nd	Thursday, September 3rd	Time (UTC-7)
9:00		**Welcome / Special Talks / IBIC Prize / Beam Position Monitors** Chair - Marco Marchetto (TRIUMF)	**Feedback Systems and Beam Stability** Chair - Laura Torino (ALBA)	**Data Acquisition and Processing Platforms** Chair - Tonia Batten (CLS)	**Overview and Commissioning** Chair - Volker Schlott (PSI)	9:00
9:10		**Welcome & Opening Remarks** Marco Marchetto (TRIUMF)	**TURT01 - Michele Carlà (ALBA)** Experimental demonstration of emittance coupling control via an AC skew quadrupole driven at the difference resonance (Qx-Qy)	**WERT01 - Qiyuan Xu (Univ. of Liverpool)** Development of a multimode fiber system for remote transverse beam imaging at CLEAR	**THRT01 - Hong Ming Xie (IMP, CAS)** Experience with heavy ion beam instrumentation during HIAF beam commissioning	9:10
9:20		**Special Talk** **MORT11 - Cornelia Hoehr (TRIUMF)** Optical fibre detectors for medical applications with accelerators				9:20
9:30			**TURT02 - Markus Hoffmann (DESY)** Distributed acoustic sensing for accelerator stability and environmental diagnostics	**WERT02 - Tobias Habermann (FULDA)** Neural network applications for real-time processing	**THRT02 - Renjun Yang (IHEP)** Overview and status of beam diagnostics development for the CSNS upgrade project	9:30
9:40		**IBIC Prize**				9:40
9:50		**MORT01 - Manfred Wendt (BNL)** Beam instrumentation challenges for the electron-ion collider project				9:50
10:00			**TURT03 - Qian Wang (USTC)** Nondestructive beam energy spread diagnostics for the development of RF phase feedback in linear accelerators	**WERT03 - Jüri Jõul (CERN)** A next-generation hybrid pixel detector readout system for beam instrumentation at CERN	**THRT03 - Abdurahim Oguz (ORNL)** Optical imaging–based beam instrumentation for high-power accelerator commissioning and operation at the spallation neutron source	10:00
10:10						10:10
10:20		Break	Break	Break	Break	10:20
10:30						10:30
10:40						10:40
10:50		**Faraday Cup Award / Transverse Profile and Emittance Monitors** Chair - Kevin Jordan (Jlab)	**Longitudinal Diagnostics and Synchronization / Feedback Systems and Beam Stability** Chair - Marco Veronese (Elettra)	**Beam Loss Monitors and Machine Protection / Data Acquisition and Processing Platforms** Chair - Jonah Weber (LBNL)	**Special Talks / Closing** Chair - Marco Marchetto (TRIUMF)	10:50
11:00		**Faraday Cup Award**	**Tutorial** **TURT04 - Sergey Tomin (DESY)** Longitudinal phase-space diagnostics using passive wakefield streakers at European XFEL / PSI / DESY	**Tutorial** **WERT04 - Timmy Lensch (DESY)** Machine protection systems for modern light sources	**Special Talk** **THRT04 - Luca Egoriti (TRIUMF)** An Alchemist's Dream - Turning Lead to Gold	11:00
11:10		**MORT02 - Daniele Butti (CERN)** Full-cycle, noninvasive emittance monitoring with the beam gas curtain monitor at the LHC				11:10
11:20					**IBIC 2027** Porntip Sudmuang (SLRI)	11:20
11:30		**MORT03 - Riku Nomaru (KEK)** Development and beam observations of an ultra-fast bunch-by-bunch X-ray beam size monitor at SuperKEKB			**Closing Remarks** Marcho Marchetto (TRIUMF)	11:30
11:40			**TURT05 - Boris Keil (PSI)** Real-time direct sampling bunch-by-bunch arrival time measurement on RF systems-on-chip for multibunch feedbacks	**WERT05 - Peng Zhu (IHEP, CAS)** An ultra-low latency ATCA-based data acquisition platform for real-time beam current monitoring and fast protection at CSNS-II		11:40
11:50		**Conference Photo**				11:50
12:00		Lunch	Lunch	Lunch	Preparation for Departure	12:00
12:10						12:10
12:20						12:20
12:30					**Transportation to Vancouver or TRIUMF** **TRIUMF Tour** **(No Return to Whistler)**	12:30
12:40						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** Chair - Kenichiro Sato (J-PARC)	**Longitudinal Diagnostics and Synchronization / Beam Charge and Current Monitors** Chair - Peter Forck (GSI)	**Beam Loss Monitors and Machine Protection / Special Talks** Chair - Aisha Ibrahim (FNAL)		13:30
13:40		**MORT04 - Alessandro Curcio (Sapienza Univ. of Rome)** Betatron radiation as a dual diagnostic for electrons and photons in plasma accelerators	**TURT06 - Ana Guisao-Betancur (Univ. of Liverpool)** Femtosecond-resolution longitudinal bunch profile monitor using coherent transition radiation imaging	**WERT06 - Cigdem Ozkan Loch (PSI)** Operational experience with the SLS 2.0 beam loss monitoring system		13:40
13:50						13:50
14:00		**MORT05 - Chunjie Xie [IHEP, CAS]** Large-diameter carbon nanotube fiber for H-/proton beam diagnostics: fabrication, test and implementation at CSNS accelerator	**TURT07 - Hui Wen Koay (TRIUMF)** A real-time AC current monitoring system for TRIUMF driver accelerators	**WERT07 - John Dusatko (SLAC)** Design of the LCLS-II HE burn-through monitor readout electronics		14:00
14:10						14:10
14:20		**MORT06 - Xinru Gao (USTC)** Polychromatic synchrotron interferometer for HALF: single-shot two-dimensional beam profiling	**TURT08 - Ryan Kim (FNAL)** Vector potential-based beam current sensors: applications for Mu2e, and picosecond bunch substructure	**WERT08 - Hussein Al-Mohammad (SESAME)** Diagnostics devices, challenges and developments at the SESAME light source		14:20
14:30						14:30
14:40		Break	Break	Break		14:40
14:50						14:50
15:00	**Registration (Opens 3:00)** **Welcome Reception (6:00 - 9:00)**					15:00
15:10		**Beam Position Monitors** Chair - Carsten Welsch (Univ. of Liverpool)	**Longitudinal Diagnostics and Synchronization / Beam Charge and Current Monitors** Chair - Hirokazu Maesaka (SPring-8)	**Machine Parameter Measurements** Chair - Lorraine Bobb (Diamond)		15:10
15:20		**MORT07 - Michael Chin (LBNL)** Beam position monitor electronics for ALS-U using RFSOC	**TURT09 - Wei Liu (LBNL)** Cavity-based bunch arrival monitor for ultrafast electron diffraction beamlines	**WERT09 - Seongyeol Kim (PAL)** Complete 6-dimensional phase space reconstruction based on neural networks and differentiable simulation with standard elements		15:20
15:30						15:30
15:40		**MORT08 - Claire Houghton (Diamond)** Upgrading Front-End XBPMs for Diamond-II	**TURT10 - Paarangat Pushkarna (Univ. of Melbourne)** Photonic lanterns: flexible, efficient, and affordable radiators for novel diagnostics at picosecond resolution	**WERT10 - Ryo Kitamura (J-PARC)** Estimation of beam parameters with the bunch-shape monitor using the machine learning		15:40
15:50						15:50
16:00		**MORT09 - Laura Pedraza (IFIC)** Development and characterization of a high-resolution re-entrant cBPM system at the ATF linac	**TURT11 - Tong Liu (IMP, CAS)** High-intensity heavy-ion beam diagnostics over a nine-order-of-magnitude dynamic range	**[WEP] Poster Session 3**		16:00
16:10						16:10
16:20		**MORT10 - Giusy Valeria Passarelli (CERN)** Development of a novel wide-bandwidth pickup for intrabunch measurements	**[TUP] Poster Session 2**			16:20
16:30						16:30
16:40		**[MOP] Poster Session 1**				16:40
16:50						16:50
17:00						17:00
17:10						17:10
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18:20						18:20
18:30			**SPC Meeting** **(Invitation Only)**			18:30
18:40						18:40
18:50						18:50
19:00				**Conference Banquet Reception**		19:00
19:10						19:10
19:20						19:20
19:30			**Chair's Reception** **(Invitation Only)**	**Conference Banquet**		19:30
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21:00						21:00
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23:00						23:00

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