

IBIC 2023 Program - September 10th -14th , 2023

Time (UTC-6)	Sunday, September 10th	Monday, September 11th	Tuesday, September 12th	Wednesday, September 13th	Thursday, September 14th	
		MO1: Overview and Commissioning Chair: Tonia Batten	TU1 : Overview and Commissioning Chair: Adriana Wawrzyniak	WE1 : Longitudinal Diagnostics and Synchronization Chair: Junhui Yue (remote)	TH1 : Data Acquisition and Processing Chair: Vic Scarpine	
9:00		MO1100: Tonia Batten (CLS): Welcome & Opening Remarks				
9:10		MO1I01: Robert Edward Laxdal (TRIUMF) Overview of Canadian Accelerators	TU1I01: Gaku Mitsuka (KEK) Beam instrumentation challenges for high-energy and low-emittance beam at SuperKEKB	WE1I01: Garam Hahn (PAL) Online Bunch Length Monitoring for Storage Ring using a Fast Photodiode	TH1I01: Carolina Bianchini Mattison (SLAC) LCLS-II Timing System and synchronous bunch data acquisition (remote, pre-recorded contribution)	
9:20						
9:30		MO1I02: Iryna Chaikovska (JCLab) Commissioning of ThomX Compton Light Source	TU1I02: Irena Dolenc Kittelmann (ESS) Beam Instrumentation Performance During Commissioning of the ESS LINAC	WE1I02: Erik Mansten (MAX IV) The MAX IV transverse deflecting cavity	TH1I02: Longwei Lai (SARI-CAS) A Novel Cavity BPM Electronics for SHINE Based on RF Direct Sampling and Processing (remote, pre-recorded contribution)	
9:40						
9:50			TU1C03: Gorkem Turemen (TENMAK-NUKEN) An Experimental Setup for PIXE Analysis in a Medical Cyclotron at TENMAK-NUKEN (remote, pre-recorded contribution)	WE1C03: Rahul Yadav (TU Darmstadt) THz Antenna-Coupled Zero-Bias Schottky Diode Detectors for Particle Accelerators	TH1C03: Wang Tian (HIAF) The development of a 128-channel ultra-low noise trans-impedance amplifier system (remote, pre-recorded contribution)	
10:00		Conference Photo (10:10-10:20)				
10:10						
10:20		Coffee Break (10:20-10:50)				
		MO2: Faraday Cup Award / Feedback Systems and Beam Stability Chair: Nicholas Hubert	TU2: Longitudinal Diagnostics and Synchronization Chair: Patrick Krejcik	WE2: Data Acquisition and Processing Platforms Chair: Willem Blokland	TH2: Machine Parameter Measurements Chair: Peter Forck	
10:50		Faraday Cup Award MO2I01: Yun Liu (ORNL) Non-interceptive Beam Diagnostics in a H- Linac During Operations Using Laser Comb and Virtual Slit	TU2T01: Nicole Hiller (PSI) Overview of Longitudinal Beam Diagnostics for Different Accelerator Types	WE2T01: David Beaugerard (CLS) Overview of current and future platforms for big experiments/different types of machines	TH2I01: Sasha Aleksandrov (ORNL) 6D measurements at high dynamic range	
11:00						
11:10		MO2I02: Idris Kempf (DLS) Fast Orbit Feedback for Diamond-II				
11:20		MO2C03: Pavana Sirisha Kallakuri (ANL) Coupled Bunch Mode Zero Correction within the Orbit Feedback Bandwidth	TU2I02: Tsuyoshi Suwada (KEK) First direct observation of positron capture process at the positron source of the SuperKEKB B-Factory	WE2C02: Philipp Niedermayer (GSI) Software Defined Radio Based Feedback System for Transverse Beam Excitation	TH2C03: Kacper Lasocha (CERN) Analysis of the Transverse Schottky Signals in the LHC	
11:30						
11:40		MO2C04: Romain Brones (SOLEIL) SOLEIL New Platform for Fast Orbit Feedback	TU2C03: Jinguo Wang (SARI-CAS) Sub-20 fs Synchronization Between Mode-Locked Laser and Radio Frequency Signal (remote, pre-recorded contribution)	WE2C03: Robert Michnoff (BNL) Beam Instrumentation Hardware Architecture for Upgrades at the BNL Collider-Accelerator Complex and the Future Electron Ion Collider	TH2I04: Junhui Yue (IHEP): IBIC 2024 Presentation (remote, pre-recorded contribution)	
11:50				Plenary Discussion	TH2I05: Tonia Batten (CLS) Concluding Remarks and Closing	
12:00						
12:10						
12:20						
12:30		Lunch Break (12:30-13:30)				
		MO3: Beam Position Monitors Chair: Kenichiro Sato	TU3: Beam Loss Monitors and Machine Protection / Beam Charge and Current Monitors Chair: Kay Wittenburg	WEP: Transverse Profile and Emittance Monitors Chair: Lorraine Bobb	Transportation to CLS / CLS Tour Return to venue by 17:00	
13:30		MO3I01: Danny Padrazo Jr (BNL) The Art of Sensing Beam Orbits in Mile-long Accelerators on a Nanometer Scale	TU3I01: Jeremy A. Mock (SLAC) Commissioning of the LCLS-II Machine Protection System for MHz CW beams	WE3I01: Ondrej Sedlacek (CERN) Gas jet based fluorescence profile monitor for low energy electrons and high energy protons at LHC		
13:40		MO3I02: Eugenio Senes (CERN) Dielectric Pick-up for short bunches	TU3C02: Michelle A Ibrahim (Fermilab) FPGA Architectures for Distributed ML Systems for Real-Time Beam Loss De-Blending	WE3C02: Bokkyun Shin (PAL) Development of a Precise 4d Emittance Meter Using Differential Slit Image Processing		
13:50				TU3C03: Pascal Dominik Hermes (CERN) Collimator Scan based Beam Halo Measurements in LHC and HL-LHC		WE3C03 : Emma Buchanan (CERN) Radiation Hard Beam Profile Monitors for the North Experimental Beamlines CERN
14:00		MO3C03: Boris Keil (PSI) Development of the SLS 2.0 BPM System	TU3I04: Timmy Lensch (DESY) Comparison of different bunch charge monitors used at the ARES accelerator at DESY	Coffee Break (14:40-15:00)		
14:10		MO3C04: Gero Kube (DESY) A MTCA based BPM-System for PETRA IV	TU3C05: Ruiyang Qiu (IHEP) Low Intensity Beam Current Measurement of the Associated Proton Beam Line at CSNS (remote, pre-recorded contribution)			
14:20		MO3C05: Michael Bree (CLS) CLS Beam Position Visualization Tool	TU3I06: Industry Introductions			
14:30		MO3I06: Industry Introductions				
14:40		Coffee Break (15:40-16:00)				
14:50		MOP: Poster Session I (16:00-17:30)	TUP: Poster Session II (16:00-17:30)	WEP: Poster Session III (15:00-16:30)		
15:00					Transportation to Conference Dinner (16:30-17:00)	
15:10						
15:20						
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15:40						
15:50						
16:00						
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17:00						
17:30		Registration Opens 17:30 Welcome Reception: Remai Modern (17:30-21:00)		Conference Dinner: Champêtre County (17:00-21:00)		