











	Monday, 21 August	Tuesday, 22 August	Wednesday, 23 August	Thursday, 24 August
	MO1AB: Welcome and Overview Chair: S. Lidia	TU1AB: Time Resolved Diagnostics and Synchronization I Chair: A. Fisher	WE1AB: Overview and Commissioning II Chair: S. Baily	TH1AB: Beam Loss Monitor and Machine Protection Chair: A. Jansson
9:00	Opening Remarks, S. Lidia (FRIB)	Precision Large Scale Synchronization System at the European XFEL - C. Sydlo (DESY)	The SPS Wideband Feedback Processor: A Flexible FPGA-Based Digital Signal Processing Demonstration Platform for Intra-Bunch Beam Stability Studies - J. Dusatko (SLAC)	Field Emission in Superconducting Accelerators: Instrumented Measurements for Its Understanding and Mitigation - R-L. Geng (Jlab)
9:10				
9:20				
9:30				
9:40	Status of the FRIB Project - J. Wei (FRIB)	High Repetition-Rate Electro-optic Sampling: Recent Studies Using Photonic Time-Stretch - S. Bielawski (PhLAM/CERCLA)	Diagnostic Challenges at LCLS-II and Lessons Learned from LCLS-I at SLAC - P. Krejcik (SLAC)	Beam Containment and Machine Protection for LCLS-2 - A. Fisher (SLAC)
9:50				
10:00				
10:10	An Overview of Beam Instrumentation Results and Commissioning from the PIP-II Injector Test Accelerator at Fermilab - V. Scarpine (FNAL)	The Optical Dissector Bunch Length Measurements at the Metrology Light Source - D. Malyutin (HZB)	Overview of the Diagnostics of the ELI-NP Gamma Beam System: Challenges for the Electron-Photon Interaction Point Diagnostics - A. Mostacci (Rome U)	Beam Loss Monitors for Energy Measurements in Diamond Light Source - N. Vitoratou (Royal Holloway University)
10:20				
10:30				Status of LEReC Machine Protection System - S. Seletskiy (BNL)
Coffee Break				
	MO2AB: Overview and Commissioning I Chair: J. Yue	TU2AB: Time Resolved Diagnostics and Synchronization II Chair: K. Jordan	WE2AB: Beam Profile Monitor I Chair: W. Blokland	TH2AB: Charge Monitor and Other Instruments Chair: M. Ferianis
11:00	Tutorial Beam Measurements Using Schottky Noise Analysis - P. Forck (GSI)	Integrated Photonics to the Rescue of Femtosecond Beam Diagnostics - F. Kaertner (CFEL)	Seminar Beam Diagnostics Overview and Challenges for Low-Energy, Low-Intensity Beams - C. Welsch (Cockroft Inst.)	Minimizing Errant Beam at SNS - C. Peters (ORNL)
11:10				
11:20				
11:30				
11:40				
11:50			A Novel Nanotechnology Based Wire Scanner for Sub-Micrometer Resolution Measurements of the Electron Beam Profile at SwissFEL - S. Borrelli (PSI)	Bunch-by-Bunch Bunch Length Measurement Using Two-Frequency System at SSRF - Y. Leng (SINAP)
12:00	Overview and Status of Diagnostics of ESS Project - T. Shea (ESS)	Beam Diagnostics for the AWAKE Experiment, M. Martyanov (MPI-P)	A Novel Wire Scanner with Nanofabricated Wires: Design, Fabrication and Experimental Results - M. Veronese (Elettra)	Optimization of the Cryogenic Current Comparator (CCC) for Beam Intensity Measurement - T. Sieber (GSI)
12:10				
12:20				
12:30				
12:40	SESAME Storage Ring Diagnostics and Commissioning - H. Al-Mohammad (SESAME)	Single-Shot Longitudinal Beam Profile and Terahertz Diagnostics at MHz Towards GHz-Rates with High-Throughput Electronics - L. Rota (KIT)	Diamond is a Beam's Best Friend - J. Smedley (BNL)	IBIC 16 Summary - U. Iriso (ALBA)
12:50			First Results From the Operation of a Rest Gas Ionisation Profile Monitor Based on a Hybrid Pixel Detector - J. Storey (CERN)	IBIC 17 Closing - S. Lidia (FRIB)
13:00	Lunch Break			IBIC 18 Introduction - Y. Leng (SINAP)
	MO3AB: Machine Parameter Measurements Chair: D. Gassner	TU3AB: BPMs and Beam Stability Chair: N. Eddy	WE3AB: Beam Profile Monitor II Chair: Y. Leng	Visit to FRIB Box lunch provided for all Conference Attendees
14:00	ECLIPSE VIEWING	Optics Measurements at SuperKEKB Using Beam Based Calibration for BPM and Beam Based Experiment - H. Sugimoto (KEK)	The LHC Beam Gas Vertex Detector - a Non-Invasive Profile Monitor for High Energy Machines - S. Vlachos (CERN)	Tour 1 Departs at 13:00 from Amway
14:10				
14:20				
14:30		Status of The Transverse Intra Bunch Train Feedback of the European XFEL - B. Keil (PSI)	Simulation and Progress in Ionization Profile Monitors for High Intensity Proton Beam - K. Satou (KEK)	Tour 2 Departs at 14:30 from Amway
14:40				
14:50	Characterizing the Coupled Bunch Driving Terms in a Storage Ring - K. Harkay (ANL)	Digital Signal Processing Techniques to Monitor Bunch-by-bunch Beam Positions in the LHC for Machine Protection Purposes - J. Pospisil (CERN)	Commissioning and First Results of the Electron Beam Profiler in the Main Injector at Fermilab - R. Thurman-Keup (Fermilab)	Tour 1 departs at 16:00 from FRIB
15:00				
15:10				Tour 2 departs at 17:30 from FRIB
15:20	Review of Beam-Based Techniques of Impedance Measurement - V. Smaluk (BNL)	Conference Photo		
15:50	Beam Diagnostic Challenges for FACET-II - S. Green (SLAC)	Mix & Mingle Poster Session - TUP	Mix & Mingle Poster Session WEP	
16:00				
16:10				
16:20	Mix & Mingle Poster Session - MOP			
16:30				
17:00				
17:30				
18:00				
18:30		Public Lecture Development of the Electromagnetic MOP, A. Warner (FNAL)		

-  Opening and Closing Sessions
-  Overview and Commissioning
-  BPM and Beam Stability
-  Time Resolved Diagnostics and Synchronization
-  Beam Loss Detection and Machine Protection
-  Beam Profile Monitor
-  Machine Parameter Measurements
-  Charge Monitor and Other Instruments
-  Tutorial
-  Public Lecture



IBIC 17 would like to thank our Exhibitors and Sponsors for their support!

19:00

Conference Dinner