

## **Session Program**

**7-11 Sept 2025**



## **IBIC2025 - 14th International Beam Instrumentation Conference**

***WEPCO***

Teaching Hub 502  
The University of Liverpool 160 Mount Pleasant L3 5TR Liverpool

# Wednesday 10 September

16:00

## WEPCO: Wednesday Poster Session

**Poster Session** |

**Location:** Courtyard, Liverpool Guild of Students, Liverpool Guild of Students, University of Liverpool

### Single-shot electron bunch profile monitor based on coherent transition radiation imaging

**Speaker**

Ana Maria Guisao Betancur

### Button BPM Development and Prototyping for ALBA II

**Speaker**

Laura Torino

### Compact electro-optical bunch length detector: from an expert device to an operator tool

**Speaker**

Bernd Steffen

### Recent upgrades on longitudinal diagnostics at FLASH

**Speakers**

Bernd Steffen, Jiri Kral

### SOLEIL II BPMs development progress

**Speaker**

Moussa El Ajjouri

### Determination of detector frequency ranges for an electron bunch length monitor for AWAKE run 2c

**Speaker**

Jack McGunigal

### Study of XBPM Diagnostic Parameters in the TPS Frontend

**Speaker**

Chia-Mu Cheng

### Development of Novel, Radiation-Hard, Ultra-Compact Active Beamstops with Integrated X-ray Sensors for Scattering Experiments on High-Brilliance Undulator Beamlines

**Speakers**

Mr Gabriele Trovato, Massimo Camarda

### Development of Analog Front-End Module for the BPM Signal Processor at SSRF

**Speaker**

Longwei Lai

### MEASUREMENT OF TWO BEAMS POSITIONS WITH BUTTON BPM

**Speaker**

Igor Pinayev

## **Performance Analysis of the RF Analog Frontend for Diamond-II Electron Beam Position Monitors**

### **Speaker**

Hasan Malik

## **Beam Diagnostic for the DALI accelerator**

### **Speaker**

Michael Kuntzsch

## **Bunch by bunch measurement by oscilloscope**

### **Speaker**

Jun He

## **Electro-optic sampling based measurement of near field of RF-compressed relativistic electron beams**

### **Speaker**

Maximilian Lenz

## **Innovative resistive X-ray beam position monitors based on Silicon Carbide free-standing membrane**

### **Speaker**

Gabriele Trovato

## **Theoretical and experimental Investigation, and resolution optimization, of Semiconductor-Based Sensors for Non-Fully Intercepting Whitebeam Monitoring of Synchrotron Beams**

### **Speakers**

Mr Gabriele Trovato, Massimo Camarda, Mr Niccolò La Rosa

## **Development and evaluation of an RFSoc based stripline BPM readout hardware prototype**

### **Speaker**

Bela Urbschat

## **Experiments on a BSM test bench for CSNS-II linac upgrade**

### **Speaker**

Xu Yang

## **Design of spectrometer energy measurement setups for the future EuPRAXIA@SPARC\_LAB and SSRIP linacs**

### **Speaker**

Danilo Quartullo

## **Fast beam-based alignment of BPMs and quadrupole magnets for SPring-8-II**

### **Speaker**

Mr Hirokazu Maesaka

## **Development of a Rectangular Diagonal Cut-Plane BPM for the CSNS-II Injection Upgrade**

### **Speaker**

Biao Zhang

## **Spiral Beam Position Monitor for Heavy Ion Beams**

**Speaker**

Taihei Adachi

**Functionalization of SiC diodes for soft X-ray optics****Speakers**

Gabriele Trovato, Massimo Camarda, Mr Niccolò La Rosa, Dr Simone Finizio

**Results of HESR BPM Testing****Speaker**

Christian Boehme

**Upgrade of Beam Position Diagnostics System at FELiChEM****Speaker**

Yongbin Leng

**Influence Analysis of Dipole Magnet Design and Beam Collimation in the High-Precision Energy Spectrometry System****Speaker**

Yifeng Zeng

**FIRST MEASUREMENTS OF A PROTOTYPE STRIPLINE BPM FOR PETRA IV. COMPARISON WITH SIMULATION****Speaker**

Gero Kube

**Accurate offline calibration and simulation analysis of various types of BPM position sensitivity****Speaker**

Peilin He

**Beam position monitors design for PERLE project****Speaker**

Dr Sidi Mohammed Ben Abdillah

**Ultrashort Relativistic Electron Bunch Characterization via High-Gradient THz Streaking****Speaker**

Maximilian Lenz

**Current profile and longitudinal phase space measurement using a corrugated structure****Speaker**

Chang-Kyu Sung

**MEASUREMENT OF CRABBING ANGLE WITH PHASE INFORMATION FROM BPM****Speaker**

Igor Pinayev

**Development of Bunch Selector Modules for Double Bunch Operation in PAL-XFEL BPM Systems****Speaker**

DongCheol Shin

## **Fibre-Coupled Oscillator-Driven Electro-Optic Spectral Interferometry as a Longitudinal Bunch Profile Monitor**

**Speaker**

Samuel Norman

## **High-resolution longitudinal beam diagnostics with a Fast Faraday Cup at the UNILAC accelerator**

**Speaker**

Nimue Schmidt

## **H- Bunch Shape Measurements at LANSCE**

**Speaker**

Martin Kay

## **The FERMI FEL2 Electro Optical Sampling Design and Operational Experience**

**Speaker**

Marco Veronese

## **Bead Test Result of Cavity Beam Position Monitor for PAL-XFEL**

**Speaker**

Changbum Kim

18:00