

## **Session Program**

**7-11 Sept 2025**



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

***TUPCO***

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

## Tuesday 9 September

16:00

### TUPCO: Tuesday Poster Session

**Poster Session** |

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

#### Design of a laser-based emittance meter for the H- beam based upon LGAD sensor

**Speaker**

Cheming Chen

#### Commissioning of a laser wire profile monitor prototype at CSNS

**Speaker**

Biao Zhang

#### Performance of the Beam Gas Curtain as emittance monitor at the Large Hadron Collider

**Speaker**

Daniele Butti

#### Study of pulsed jet operation for beam gas curtain monitors

**Speaker**

Hao Zhang

#### Low energy experimental bench (LEEx-B) and emittance-meter developments at IPHC

**Speaker**

Emil Traykov

#### Design and Programming of a Multifunctional Device for Accelerator Beam Profile Measurement and Beam Stop

**Speaker**

Weiling Huang

#### Requirements for equipment in Cooling Section of EIC Low Energy Cooler

**Speaker**

Sergei Seletskiy

#### Dependence of tune-sweep waveforms in Diamond on mode number

**Speaker**

Dmitrii Rabusov

#### Design and implementation of Allison scanner at the KOMAC LEBT

**Speaker**

Seok Ho Moon

#### Side effects of bunch-by-bunch feedback system on SuperKEKB collider

**Speaker**

Makoto Tobiyama

#### Design and Prototyping for Diamond-II Stripline Kickers

**Speaker**  
Alun Morgan

### **Fast Corrector Vessel Selection for High Bandwidth Fast Orbit Feedback**

**Speaker**  
Shohan Banerjee

### **Status of longitudinal instability suppression at NanoTerasu**

**Speaker**  
Kota Ueshima

### **Turnkey scintillating beam profiler for high-resolution and high-rate beam diagnostics**

**Speaker**  
Dr Benoit Truc

### **Laser transport and stabilization for the CSNS laser wire profile monitor prototype**

**Speaker**  
Biao Zhang

### **High-Precision Profile Measurement with COTR Interference Resistance**

**Speaker**  
Lianfa Hua

### **Real-time embedded feedforward correction for SIRIUS undulators**

**Speaker**  
Patricia Nallin

### **Development of Wire Scanner Profile Monitor in FETS-FFA Test Ring**

**Speaker**  
Emi Yamakawa

### **R&D of an Ultrafast X-ray Beam Size Monitor for SuperKEKB**

**Speaker**  
Riku Nomaru

### **Development and experimental validation of a PI control system for synchrotron X-Ray beam stabilization**

**Speaker**  
Niccolò La Rosa

### **Cherckov radiation spectral and resolution properties studies at SINBAD ARES**

**Speaker**  
Gero Kube

### **Design and Development of a FOC algorithm Based on Machine Learning for the HEPS**

**Speaker**  
Mr JunHui Yue

### **Feedbacks at Low Energy RHIC Electron Cooler**

**Speaker**  
Sergei Seletskiy

## **Research and development of a radiation hard beam profile monitor for use in the CERN North Area secondary beamlines**

### **Speaker**

Inaki Ortega

## **Status of oscillating arm wire monitor development**

### **Speaker**

Dr Rudolf Dölling

## **Status of the Synchrotron Radiation Telescope at the Large Hadron Collider**

### **Speaker**

Daniele Butti

## **Overview of the Pinhole Camera Design for the Diamond-II Upgrade**

### **Speaker**

Dr Niki Vitoratou

## **UPGRADE AND EVOLUTION OF THE AD TARGET BEAM IMAGING SYSTEM AT CERN: A TWO-YEAR PERFORMANCE ANALYSIS**

### **Speaker**

Stephane Burger

## **Evaluating machine learning models for multimode-fiber-based transverse beam profile reconstruction**

### **Speaker**

Mr Qiyuan Xu

## **Measurement of transverse profile in electron linacs: recent advances in SwissFEL**

### **Speaker**

Rasmus Ischebeck

## **Development of a Cherenkov Radiation-Based Beam Profile Monitor for a Muon Linear Accelerator**

### **Speaker**

Risa Nakagawa

## **IRRADIATION TESTS OF A DIGITAL RADIATION-TOLERANT CAMERA FOR CERN'S PARTICLE ACCELERATOR INSTRUMENTATION**

### **Speaker**

Stephane Burger

## **Experimental Investigation Into Supersonic Gas Jet Induced Beam Perturbation**

### **Speaker**

William Butcher

## **Implementation and Initial Operation of the Bunch-by-Bunch Feedback System at SOLARIS**

### **Speaker**

Mateusz Szczepaniak

## **Direct X-Ray imaging for the new pinhole diagnostics at BESSY II**

### **Speaker**

Marco Marongiu

18:00

## **Reconstruct transverse initial conditions of high intensity beams using machine learning**

**Speaker**

Hao Zhang