

Session Program

20-26 Sept 2025



ICALEPCS 2025 - The 20th International Conference on Accelerator and Large Experimental Physics Control Systems

WEMG Mini-Orals (MC01, MC05, MC10)

Palmer House Hilton Chicago
17 East Monroe Street Chicago, IL 60603, United States of America

Wednesday 24 September

15:00

WEMG Mini-Orals (MC01, MC05, MC10)

Session |

Location: Palmer House Hilton Chicago, Grand Ballroom, 17 East Monroe Street Chicago, IL 60603, United States of America |

Convener: Chris Roderick

15:00–15:03 **Laser Megajoule facility status report**

Speaker

Dr Stephanie PALMIER

15:03–15:06 **SKA telescope control system in 2025**

Speaker

Ms Sonja Vrcic

15:06–15:09 **First phase of control system for compact Muon Linac at J-PARC**

Speaker

Shuei Yamada

15:09–15:12 **The EuAPS betatron radiation source control system**

Speaker

Valentina Dompè

15:12–15:15 **LCLS-II cavity heater controls: design, operation, and accuracy**

Speaker

Andrew Wilson

15:15–15:18

An FPGA-based autoencoder model for real-time RF signal denoising for industrial accelerators

Speaker

Vikshar Rajesh

15:18–15:21

Control and tuning of complex bend magnet for proposed NSLS-II upgrade

Speaker

Yuke Tian

15:21–15:24 **Object oriented industrial I/O**

Speaker

Rocio Martin

15:24–15:27

Modernizing FPGA development using the DESY FPGA firmware framework

Speaker

David Vassallo

15:27-15:30

Proton pulse charge calculation algorithm in Beam Power Limiting System at the Spallation Neutron Source**Speaker**

Miljko Bobrek

15:30-15:33

A high-precision motion profile data stream pipeline for LCLS-II fast wire scanner**Speaker**

Ziyu Huang

15:33-15:36

Control system information exchange based on data models**Speaker**

Pierre Schnizer

15:36-15:39

Improving performance and reliability of a Python-based EPICS IOC by switching to pyDevSup**Speaker**

Érico Nogueira Rolim

15:39-15:42

Upgrading the ATLAS tune archiving system**Speaker**

Kenneth Bunnell

15:42-15:45

Status of development and application of the Pyapas at HEPS**Speaker**

Mr Yuliang Zhang

15:45-15:48

Modular scientific SCADA suite with Sardana and Taurus - latest developments**Speaker**

Michal Piekarski

15:48-15:51

HL-LHC Inner Triplet String controls and software architecture**Speaker**

Sebastien Blanchard

15:51-15:54

Implementation and scalability analysis of TSPP for Vacuum Framework**Speaker**

Rodrigo Ferreira

16:00