

Session Program

22-26 Apr 2024



24th IEEE Real Time Conference - ICISE, Quy Nhon, Vietnam

Oral Presentations

Thursday 25 April

13:50

Oral Presentations: Orals

Session | Location:

13:50–14:10 **Current status and future development of ASICs for HIAF complex**

Speaker

Prof. Chengxin Zhao

14:10–14:30

Development of Radiation-tolerant Slow-Control Board based on Atom Switch-based FPGA

Speaker

Kazuki Ueno

14:30–14:50

Study of Dynamic Time Over Threshold (DTOT) method for application in spectroscopy signal analysis toward a low complexity front-end electronics with high spectroscopy resolution and wide energy range for use with scintillation gamma detectors

Speakers

Dr Michael Holik, Ondrej Urban

14:50–15:10

A High Compression Ratio Channel Multiplexing Method for Micro-pattern Gaseous Detectors

Speaker

Dr Yu Wang

15:10–15:30

System Design and Prototyping of the CMS Level-1 Calorimeter Trigger at the High-Luminosity LHC

Speaker

Piyush Kumar

15:30–15:50

Check-Sort-Push and its application in CMS iRPC subsystem

Speaker

Prof. Zhen-An Liu

15:50–16:20

Coffee Break

16:20–17:00

Invited Talk: Mastering Picosecond Precision: Lessons learned from Large-Scale Timing Systems

Speaker

Stefan Ritt

17:00–17:20

Development of first level track trigger at Belle II using Deep-Neural-Network

Speaker

Yuxin Liu

17:20-17:40

High-Throughput Data Analysis at FRIB using ESnet

Speaker

Aaron Chester

17:40-18:00

General-purpose data streaming TDCs for nuclear and hadron experiments in Japan

Speaker

Ryotaro Honda

18:00-18:20

100 Gbit/s UDP Data Acquisition on Linux using AF XDP: The TRISTAN Detector

Speaker

Jalal Mostafa

18:20