

Session Program

Apr 22 - 26, 2024



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

Oral presentations

Tue, April 23

1:50 PM

Oral presentations

Session

1:50 - 2:10 PM

Reconstruction of pile-up events using an Autoencoder based on CNN for the NEDA detector array.

Speaker

Jose Manuel Deltoro Berrio

2:10 - 2:30 PM

Machine Learning for Sub-Microsecond Edge Data Processing

Speaker

Prof. Audrey Corbeil Therrien

2:30 - 2:50 PM

A QGP Trigger for the CBM Experiment based on Artificial Neural Networks

Speaker

Prof. Ivan Kisel

2:50 - 3:10 PM

hls4ml: low latency neural network inference on FPGAs

Speaker

Vladimir Loncar

3:10 - 3:30 PM

Development of ML FPGA filter for particle identification and tracking in real time

Speaker

Sergey Furletov

3:30 - 4:00 PM

Coffee Break

4:00 - 4:20 PM

High-speed data processing in the RIBF DAQ system using the Alveo data-center accelerator card

Speaker

Yuto Ichinohe

4:20 - 4:40 PM

Readout system for a strip ionization chamber dedicated for proton beam profile measurement

Speaker

Ye Lin

4:40 - 5:00 PM

DAQ system for CEPC Vertex detector prototype

Speaker

Chang Xu

5:00 - 5:20 PM

FERS-5200: a distributed Front-End Readout System for multidetector arrays

Speaker
Dr Carlo Tintori

5:20 - 5:40 PM

Simplified Firmware Development for Open FPGA Platforms in DAQ Systems using SciCompiler

Speaker
Andrea Abba

5:40 PM