Session Program

22–26 Apr 2024

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

Oral presentations

Tuesday 23 April

13:50

Oral presentations
Session | **Location:**

13:50–14:10

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

Speaker

Jose Manuel Deltoro Berrio

14:10–14:30 **Machine Learning for Sub-Microsecond Edge Data Processing**

Speaker

Prof. Audrey Corbeil Therrien

14:30–14:50

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

Speaker
Prof. Ivan Kisel

14:50–15:10 **hls4ml: low latency neural network inference on FPGAs**

Speaker
Vladimir Loncar

15:10–15:30

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

Speaker
Sergey Furletov

15:30–16:00 **Coffee Break**

16:00–16:20

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

Speaker
Yuto Ichinohe

16:20–16:40

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

Speaker
Ye Lin

16:40–17:00 **DAQ system for CEPC Vertex detector prototype**

Speaker
Chang Xu

17:00–17:20

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

Speaker

Dr Carlo Tintori

17:20–17:40

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

Speaker

Andrea Abba

17:40