Session Program

12-23 Oct 2020

22nd Virtual IEEE Real Time Conference

Poster session A-01

Monday 12 October

16:20

Poster session A-01
Session

16:20–16:21

The Analog Front-end for the LGAD Based Precision Timing Application in CMS ETL

16:21–16:22

A Low-Power Time-to-Digital Converter for the CMS Endcap Timing Layer (ETL) Upgrade

Speakers
Mr ZHANG, Wei, Dr GONG, Datao

16:22–16:23

A 20 Gbps Data Transmitting ASIC with PAM4 for Particle Physics Experiments

Speaker
Ms ZHANG, Li

16:23–16:24   **Gas emission measurement system used in Chilla-Juliaca landfill**

Speaker
CHILO, JOSE

16:24–16:25

Synchronous digitization of incident pulses across 1088-pixel Camera of MACE Telescope

Speaker
NEEMA, SAURABH

16:25–16:26

The GosipGUI framework for control and benchmarking of readout electronics front-ends

Speaker
ADAMCZEWSKI-MUSCH, Joern

16:26–16:27

High-Level Software Tools for LLRF System Dedicated to Elliptical Cavities Management of European Spallation Source Facility

Speaker
Mr KLYS, Kacper

16:27–16:28

Global Trigger Technological Demonstrator for ATLAS Phase-II upgrade

Speaker
FILIMONOV, Viacheslav

16:28–16:29

Safe Bound on simulation interval for real-time systems for two-phases task model

Speaker

Dr LAGHA, Joumana

16:29–16:30

Mössbauer spectrometer with high channel resolution utilizing real-time industrial computer

Speaker

KOHOUT, Pavel

16:30–16:31

Real time dosimeter based on a scintillation fiber operating in single photon counting for medical applications

Speaker

FREITAS, H.

16:31–16:32

Experience and performance of persistent memory for the DUNE data acquisition system

Speaker

ABED ABUD, Adam

16:32–16:33 **SAMPA Based Streaming Readout Data Acquisition Prototype**

Speaker

JASTRZEMBSKI, Edward

16:33–16:34

OpenIPMC: a free and open source Intelligent Platform Management Controller

Speaker

CALLIGARIS, Luigi

16:34–16:35 **The electronics of the Juno Experiment central detector**

Speaker

BERGNOLI, Antonio

16:35–16:36

Multi-Purpose Compact Zynq-Based System-on-Module for Data Acquisition Systems

Speaker

Mr BOUCHARD, Jonathan

16:36–16:37

A VXS [VITA41] Trigger Processor for the 12GEV Experimental Programs at Jefferson Lab

Speaker

CUEVAS, Chris

16:37–16:38 **Design and implementation of a digital CDR in FPGA**

Speaker

Dr MARINI, Filippo

16:38–16:39 **Automatic test system of the back-end card for the JUNO experiment**

Speaker

Mr PETITJEAN, Pierre-Alexandre

16:39–16:40 **Data acquisition system in Run0 of the J-PARC E16 experiment**

Speaker

TAKAHASHI, Tomonori

16:40–16:41

Performance of the DHH readout system for the Belle-II pixel detector

Speakers

LEVIT, Dmytro, HUBER, Stefan

16:41–16:42 **Methods in Quench Detection for Advance Superconductive Systems**

Speaker

TURQUETI, Marcos

16:43–16:44

PandABox: Real-time Processing Platform for Scanning and Feedback applications

Speaker

ABIVEN, Yves-Marie

16:44–16:45

Diagnostic data integration using deep neural networks for real-time plasma analysis

Speaker

RIGONI GAROLA, Andrea

16:45–16:46

Application of heterogeneous computing techniques for image-based hot spot detection

Speaker

Mr COSTA, Victor

16:47–16:48

Integration of control, investment protection and safety in the ITER Neutral Beam Test Facility

Speaker

LUCHETTA, Adriano Francesco

16:48–16:49 **The FragmentatiOn Of Target Experiment (FOOT) and its DAQ system**

Speaker

BIONDI, Silvia

16:49–16:50

Characterization of Zynq-Based Data Aquisition Architecture for the 129,024-Channel UHR PET Scanner Dedicated to Human Brain Imaging

Speaker

SAMSON, Arnaud

16:50–16:51

White Rabbit Time Synchronization for Radiation Detector Readout Electronics

Speaker

HENNIG, Wolfgang

16:51–16:52

Performance of the ATLAS Hadronic Tile Calorimeter Demonstrator system for the Phase-II upgrade facing the High-Luminosity LHC era

Speaker

VALDES SANTURIO, Eduardo

16:52–16:53

Redesign of the ATLAS Tile Calorimeter link Daughterboard for the HL-LHC

Speaker

VALDES SANTURIO, Eduardo

16:53–16:54   **Novel Digital Camera with the PCIe Interface**

Speaker

MAKOWSKI, Dariusz

16:54–16:55   **Streaming Mode Data Acquisition at Jefferson Lab**

Speaker

Dr GYURJYAN, Vardan

16:55–16:56   **Cooling & Timing Tests of the ATLAS Fast Tracker VME boards**

Speaker

SOTTOCORNOLA, Simone

16:56–16:57

Integration of a Network Synchronized Motion Tracking Camera into a Real-Time Positron Emission Tomography Data Acquisition System

Speaker

TÉTRAULT, Marc-André

16:57–16:58

Real-time Attenuation Control System of incident beam using hybrid pixel detector with specific architecture

Speaker

DAWIEC, Arkadiusz

17:00