

Session Program

9-15 Jun 2018



21st IEEE Real Time Conference - Colonial Williamsburg

Minioral 2

Woodlands Conference Center
159 Visitor Center Dr, Williamsburg, VA 23185

Tuesday 12 June

13:30

Minioral 2

Session | **Location:** Woodlands Conference Center, 159 Visitor Center Dr, Williamsburg, VA 23185 | **Conveners:** Mr Pierre-Andre Amaudruz, Martin Grossmann

13:30-13:32

479 A PXI-based, Multi-channel Ultra-fast Data Acquisition System for Transient Pulsed Signal

Speaker

Yafei Du

13:38-13:40

518 FPGA acceleration of Model Predictive Control for ITER Plasma current and shape control

Speaker

Dr Samo Gerksic

13:40-13:42

527 FLIT-level Infiniband network simulations of the DAQ system of the LHCb experiment for Run-3

Speaker

Flavio Pisani

13:42-13:44

529 Ultra-precision DC source for Superconducting Quantum Computing

Speaker

Mr Hongbo Xie

13:46-13:48

534 Initial performance of Belle II High Level Trigger and Back End Processing in the Beam Commissioning

Speaker

Ryosuke ITOH

13:48-13:50

536 A Time Stretch Supply Method to Reduce the Power Line Loss

Speaker

Xuesong Liu

13:50-13:52

543 Development and Characterization of a 3.2 Gb/s Serial Link Transmitter for CMOS Image Sensors Data Transmission in Subatomic Physics Experiment

Speaker

Quan Sun

13:52-13:54

549 I2C management based on IPbus

Speaker

hongwei yu

13:54-13:56

550 Environmental Monitoring for Belle II

Speaker

Seokhee Park

13:56-13:58

553 Development of Slow Control Package for the Calorimeter Trigger System at the Belle II Experiment**Speaker**

Cheolhun Kim

13:58-14:00

560 Study of Retina Algorithm on FPGA for Fast Tracking**Speakers**

Wendi Deng, yifan yang

14:00-14:02

562 Radiation-Tolerant, High-speed Serial Link Design with SRAM-based FPGAs**Speaker**

Sabrina Perrella

14:02-14:04

566 Phase drift compensating RF link for femtosecond synchronization of E-XFEL**Speaker**

Dominik Sikora

14:08-14:10

594 Back-end Electronics based on an Asymmetric Network for Low Background and Medium Scale Physics Experiments**Speaker**

Denis Calvet

14:12-14:14

600 First large-scale real-time drift compensation for Low-Level-RF-stations at the European XFEL**Speaker**

Krzysztof Czuba

14:14-14:16

596 VIVADO High Level Synthesis in CLAS12 Trigger System Design**Speaker**

Dr Sergey Boyarinov

14:16-14:18

588 ECAL DAQ system: electronics auto-recovery and monitoring**Speaker**

Prasanna Kumar Siddireddy

14:35-14:37

514 High-power Piezoelectric Tuner Driver for Lorentz Force Compensation**Speaker**

Dr Dariusz Makowski

14:47