21st IEEE Real Time Conference - Colonial Williamsburg

Tuesday 12 June 2018

Poster 1 (14:40-16:10)

-Conveners: Martin Grossmann

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[549] I2C management based on IPbus	Mr YU, Hongwei	
[472] High-speed RF Switch Electronics for picking up of Electron-Positron Beam Bunches	YAN, Liujiang	
[514] High-power Piezoelectric Tuner Driver for Lorentz Force Compensation	Dr MAKOWSKI, Dariusz	
[579] High loaded quality factor superconducting cavities accelerating field parameters regulation during continuous wave operation	CICHALEWSKI, Wojciech	
[463] The uTCA Fast Control board for generic control and data acquisition applications for HEP experiments	Dr ZHANG, Jie	
[596] VIVADO High Level Synthesis in CLAS12 Trigger System Design	Dr BOYARINOV, Sergey	
[571] Real-time Data Acquisition and Processing System for MHz Repetition Rate Image Sensors	Mr MIELCZAREK, Aleksander	
[477] Control and Readout Software in Superconducting Quantum Computing	Dr JIN, Lin	
[556] Survey and Test Environment for ITER EPP#12 Electrical Components	Dr SUN, Xiaoyang	
[552] Progress on the Electromagnetic Calorimeter Trigger Simulation at the Belle II Experiment	LEE, Insoo	
[532] Application of PROFINET IO in Neutron Scattering Instruments	KLEINES, Harald	
[496] Scalable Self-Adaptive Synchronous Triggering System in Superconducting Quantum Computing	Dr LIN, Jin	
[573] Data analysis to evaluate the CPPF system in CMS trigger phase I upgrade	Prof. LIU, Zhen-An	
[471] Cascading Sensor Network Clock Synchronization Scheme	Mr ZHOU, Meng	
[588] ECAL DAQ system: electronics auto-recovery and monitoring	SIDDIREDDY, Prasanna Kumar	
[574] System integration and initial performance of B2link in Belle II experiment	Prof. LIU, Zhen-An ZHAO, Jingzhou	
[534] Initial performance of Belle II High Level Trigger and Back End Processing in the Beam Commissioning	ITOH, Ryosuke	
[408] The Proton Beam Realtime Monitor System in CSNS	Dr ZHUANG, Jian	
[508] Development of the ATLAS Liquid Argon Calorimeter Readout Electronics for the HL-LHC	ATLAS LAR CALORIMETER GROUP	
[562] Radiation-Tolerant, High-speed Serial Link Design with SRAM-based FPGAs	PERRELLA, Sabrina	
[550] Environmental Monitoring for Belle II	PARK, Seokhee	
[507] The Phase-I Trigger Readout Electronics Upgrade of the ATLAS Liquid Argon Calorimeters	ATLAS LAR CALORIMETER GROUP	

[458] The Design and Testing of the Address in Real Time Data Driver Card for the Micromegas Detector of the ATLAS New Small Wheel Upgrade	Dr YAO, Lin	
[560] Study of Retina Algorithm on FPGA for Fast Tracking	YANG, yifan DENG, Wendi	
[529] Ultra-precision DC source for Superconducting Quantum Computing	Dr LIN, Jin	
[453] The design and performance of the ATLAS Inner Detector trigger in high pileup collisions at 13 TeV at the Large Hadron Collider	BEAUCHEMIN, Pierre-Hugues	
[489] Localised response retrieval from Hamamatsu H9500 for a coded-aperture dual-particle imaging system based on an organic pixelated plastic scintillator (EJ-299-34)	Dr GAMAGE, Kelum	
[479] A PXI-based, Multi-channel Ultra-fast Data Acquisition System for Transient Pulsed Signal	Dr DU, Yafei	
[467] A readout method based on 10 gigabit Ethernet for silicon pixel detector	Dr LI, Hangxu	
[553] Development of Slow Control Package for the Calorimeter Trigger System at the Belle II Experiment	KIM, Cheolhun	
[402] Study of Full Parallel RS(31,27) Encoder for a 3.2 Gbps Serial Transmitter in 0.18 um CMOS Technology	ZHANG, Guangyu	
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[504] Real-time data compression for data acquisition systems applied to the ITER Radial Neutron Camera	Mr SANTOS, Bruno Dr CRUZ, Nuno	
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[448] Using Adjacent Data Retransmission to Improve the Transmission Efficiency of Multi-hop Relay Networks	Dr LIU, Xuesong	
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[470] Single photon source driver designed in ASIC	Mr FENG, Bo	
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[595] Fixed latency fiber communication for JLAB's Hall B RICH detector	Mr DICKOVER, Cody	

[527] FLIT-level Infiniband network simulations of the DAQ system of the LHCb experiment for Run-3	PISANI, Flavio	
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[455] A new high speed, Ultrascale+ based, board for the ATLAS jet calorimeter trigger system	DAMP, Johannes Frederic	
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[450] Longitudinal Mode-by-Mode Feedback System for The J-PARC Main Ring	SUGIYAMA, Yasuyuki	
[456] The development of a data acquisition system based on FPGA	Mr NING, ZHE	
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[481] Upgrade of data acquisition and control system for microwave reflectometry on Experimental Advanced Superconducting Tokamak	WEN, Fei	
[506] FPGA IMPLEMENTATION OF RDMA-BASED DATA ACQUISITION SYSTEM OVER 100 GBE	MANSOUR, Wassim	
[518] FPGA acceleration of Model Predictive Control for ITER Plasma current and shape control	Dr GERKSIC, Samo	
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[490] Real-time non-intrusive depth estimation of buried radioactive wastes based on approximate three-dimensional relative attenuation model	GAMAGE, Kelum	
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