



# 20th Real Time Conference

## Tuesday, June 7, 2016

### Mini Oral 1 - Centro Congressi (1:25 PM - 2:45 PM)

-Conveners: Rejean Fontaine; Christian Bohm

time	[id] title	presenter
1:25 PM	[M93] 085 TAWARA_RTM: A complete platform for a real time monitoring of contamination events of drinking water	MORETTO, Sandra
1:27 PM	[M94] 060 Development of ATLAS Liquid Argon Calorimeters Readout Electronics for HL-LHC	CHEN, Kai
1:29 PM	[M95] 084 Software Integrity Analysis Applied to IRIO EPICS Device Support Based On FPGA Real-Time DAQ Systems	SANZ, Diego
1:31 PM	[M96] 018 Fuzzy-PID based heating control system	WANG, Jian
1:33 PM	[M97] 012 High Speed Ethernet Application for the Trigger Electronics of the New Small Wheel	HU, Kun
1:35 PM	[M98] 232 NaNet: FPGA-based Network Interface Cards Implementing Real-time Data Transport for HEP Experiments	MARTINELLI, Michele
1:37 PM	[M99] 004 A hardware implementation of the Levinson routine in a radio detector of cosmic rays to improve a suppression of the non-stationary RFI	SZADKOWSKI, Zbigniew
1:39 PM	[M00] 021 Adaptive IIR-notch filter for RFI suppression in a radio detection of cosmic rays	SZADKOWSKI, Zbigniew
1:41 PM	[M01] 119 DCT trigger in a high-resolution test platform for a detection of very inclined showers in the Pierre Auger surface detectors	SZADKOWSKI, Zbigniew
1:43 PM	[M02] 040 Implementation of ITER Fast Plant Interlock System using FPGAs with cRIO	RUIZ, Mariano
1:45 PM	[M03] 150 FPGA online tracking algorithm for the PANDA straw tube tracker	LIANG, Yutie
1:47 PM	[M04] 095 Design and test of a GBTx based board for the upgrade of the ALICE TOF readout electronics	FALCHIERI, Davide
1:49 PM	[M05] 104 Exploring RapidIO technology within a DAQ system event building network	BAYMANI, Simaolhoda
1:51 PM	[M06] 076 Online calibration of the TRB3 FPGA TDC with DABC software	ADAMCZEWSKI-MUSCH, Joern
1:53 PM	[M07] 039 FPGA Implementation of Toeplitz Hashing Extractor for Real Time Post-processing of Raw Random Numbers	ZHANG, xiaoguang
1:55 PM	[M08] 062 New LLRF control system at LNL	PAVINATO, Stefano
1:57 PM	[M09] 011 An Extensible Induced Position Encoding Readout Method for Micro-pattern Gas Detectors	QI, Binxiang
1:59 PM	[M10] 066 An I/O Controller for Real Time Distributed Tasks in Particle Accelerators	PEDRETTI, Davide
2:01 PM	[M11] 005 Design and Testing of the Bunch-by-Bunch Beam Transverse Feedback Electronics for SSRF	Mr LIU, Jinxin
2:03 PM	[M12] 054 Control system optimization techniques for real-time applications in fusion plasmas: the RFX-mod experience	PIGATTO, Leonardo

2:05 P	[M113] 061 High-speed continuous DAQ system for reading out the ALICE SAMPA ASIC	TAMBAVE, Ganesh Jagannath
2:07 P	[M114] 046 Brain Emulation for Image Processing	LUCIANO, Pierluigi
2:09 P	[M115] 176 Readout electronics for Belle II imaging Time of Propagation detector	Dr KOTCHETKOV, Dmitri
2:11 P	[M116] 010 An $\alpha/\gamma$ Discrimination Method for BaF2 Detector by FPGA-based Linear Neural Network	YANG, Chenfei
2:13 P	[M117] 007 Design of the Readout Electronics Prototype for LHAASO WCDA	CONG, Ma
2:15 P	[M118] 053 A Calculation Software Based on Pipe-and-Filter Architecture for the $4\pi\beta\text{-}\gamma$ Digital Coincidence Counting Equipment	Mr DING, Zhiguo
2:17 P	[M119] 229 Evaluation of 100 Gb/s LAN networks for the LHCb DAQ upgrade	VONEKI, Balazs
2:19 P	[M120] 031 TaskRouter: A newly designed online data processing framework	GU, Minhao
2:21 P	[M121] 114 A High Frame Rate Test System for The HEPS-BPIX based on NI-sbRIO Board	GU, Jingzi
2:23 P	[M122] 192 Particle identification on an FPGA accelerated compute platform for the LHCb Upgrade.	FAERBER, Christian
2:25 P	[M123] 074 Field Waveform Digitizer for BaF2 Detector Array at CSNS-WNS	WANG, qi
2:27 P	[M165] 109 Signal Processing Scheme for a Low Cost LiF:ZnS(Ag) Neutron Detector with Silicon Photomultiplier	Mr PRITCHARD, Kevin
2:29 P	[M166] 213 Design of a Compact Hough Transform for a new L1 Trigger Primitives Generator for the upgrade of the CMS Drift Tubes muon detector at the HL-LHC	POZZOBON, Nicola
2:31 P	[M173] 248 White Rabbit based sub-nsec time synchronization, time stamping and triggering in distributed large scale astroparticle physics experiments	BRÜCKNER, Martin
2:33 P	[M174] 086 Enabling Real Time Reconstruction for High Resolution SPECT Systems	BERNARD, Mélanie
2:35 P	[M179] 135 Modular Software for MicroTCA.4 Based Control Applications	SHEHZAD, Nadeem