Session Program

5-10 Jun 2016

20th Real Time Conference

Poster Session 2

Padova, Italy
Centro Congressi A. Luciani Via Forcellini, 170/A Padova ITALY

Friday 10 June

10:30

Poster Session 2
Poster Session | **Location:** Padova, Centro Congressi

Web-based parameter control and real-time waveform display for the GRIFFIN experiment

Speaker
Mr Bryerton Shaw

The Implementation of KTX Central Control System

Speaker
Zuchao Zhang

Data Processing for EAST Remote Participation

Speaker
Dr Xiaoyang Sun

Test-driven software upgrade of the LHC beam-based feedback systems

Speaker
Diogo Miguel Louro Alves

IFMIF EVEDA RFQ LOCAL CONTROL SYSTEM

Speaker
Mauro Giacchini

Data transfer methods in Real Time controller of Ion Cyclotron High Voltage Power Supply

Speaker
Mr Hitesh Dhola

NEW DATA ARCHIVE SYSTEM FOR SPES PROJECT BASED ON EPICS ARCHIVER APPLAINACE

Speakers
Mr Maurizio Montis, Mauro Giacchini

The waveform sample system based on TCP/IP transmission

Speaker
Dr Zhe Ning

Complete Parallel Readout VME DAQ System

Speaker
Dr Hidetada Baba

A Small Data Aquisition System for the KOALA Experiment in Juelich

Speaker
Peter Wüstner

Error Field Measurement and Processing with FPGA in KTX Active Control System

Speaker

Mr Xiaotian Guo

Evaluation Software for BaF2 Detector Array Electronics at CSNS-WNS

Speaker

Mr Qi Wang

An Ultra-fast Linear Array Detector for MHz Line Repetition Rate Spectroscopy

Speaker

Dr Michele Caselle

The data acquisition system of the DSSD detector for SIRIUS

Speaker

Mr Thomas CHAMINADE

Distributed continuous event – based data acquisition using FlexRIO FPGA

Speaker

Cesare Taliercio

New updates on the ATLAS ROD board implementation for Pixel Layer 1 and Layer 2

Speaker

Mr Nico Giangiacomi

A Reconfigurable Ethernet-Based Data Acquisition and Processing System for Particle Physics Experiments

Speaker

Mr Zhaoqi Wang

A general-purpose control functionality of DAQ-Middleware

Speaker

Mr Yasushi Nagasaka

The Data Acquisition and Control System of EAST ME-SXR Diagnostic

Speakers

Dr Bingjia Xiao, Dr Feng Wang, Dr Shi Li, Ying Chen

A DAQ Prototype for the ATLAS small-strip Thin Gap Chamber Phase-I Trigger Upgrade

Speaker

Mr Xu Wang

Study of Fast Data Access Based on Hierarchical Storage for EAST Tokamak

Speaker

Feng WANG

A cosmic ray readout system for qualifications of small-strip Thin Gap Chambers of the ATLAS Muon Spectrometer Phase-I upgrade

Speaker

Mr Xu Wang

Development of theCBM RICH readout and DAQ

Speaker

Egor Ovcharenko

Phase and Amplitude Drift Calibration of the RF Detectors in FELs LLRF Systems

Speaker

Krzysztof Czuba

Multichannel DAQ IC with zero deadtime and extended input range for current pulse sensors

Speaker

Dmytro Mazur

10-Gbps True Random Number Generator Accomplished in ASIC

Speaker

Xinzhe Wang

Intelligent FPGA based Event Builder and Data Acquisition System for the COMPASS experiment.

Speaker

Igor Konorov

Development and Application of a general-purpose VME module using FMC

Speaker

Dr Toshinori Abe

ELECTRONICS FOR HARPO - Design, development and validation of electronics for a high performance polarized gamma-ray detector

Speaker

yannick geerebaert

The series of high performance multichannel digitizers ADC4x250

Speaker

Evgeniy Kotov

The design of the readout system of two-dimensional position-sensitive GEM detector

Speaker

Liang yi

Intelligent FPGA Data Acquisition Framework

Speaker

Dmytro Levit

The study of strip Readout Prototype for ATLAS Phase-I muon Trigger upgrade

Speaker

Feng Li

FPGA baseline restorer based on high-speed ADC in particle emission rate measurement system

Speaker

Mr Zheng Tu

Front-end Electronics for a Novel Boron-coated MWPC Thermal Neutron Detector

Speaker

Jiang Di

Development of a high dynamic range and wide bandwidth amplifier electronics system

Speaker

Mr Cheng Li

A Testbench Based On UVM Research For ABCstar

Speaker

Prof. Zhen-An Liu

Design of ultra-low noise power system for high-precision detectors

Speaker

Jian Wang

Universal high-performance LO and CLK generation module for LLRF system receivers

Speaker

Mr Mateusz Zukocinski

High Counting-rate Data Acquisition System for the Applications of PGNAA

Speaker

Mr Yuzhe Liu

Preliminary Performance of a Continuous Crystal PET Detector with TODT Readout Scheme

Speakers

Mr Yong Xiao, Prof. Yonggang Wang

A FPGA-based Pulse Pile-up Rejection Technique for the Spectrum Measurement in PGNAA

Speaker

Dr Lian Chen

Front-end Electronics for BaF2 Detector Array at CSNS-WNS

Speaker

Mr Xincheng Qi

A low noise front-end for the Belle2 forward electromagnetic calorimeter upgrade

Speakers

Antonio Budano, Diego Tagnani, Giovanni Corradi, Prof. Matteo Galasso

PLAS: A 32-channel, dead time-less analog memory ASIC fpr the TRACE detector

Speaker

Ramon J. Aliaga

Readout System with 2-Channel 8-Bit 1GHz FADC and Gigabits Ethernet Based on RAIN1000Z1 ZYNQ Module for Crystal Detector

Speaker

Dr Tao Xue

Two-dimensional encoded multiplexing readout with a 5x5cm2 THGEM

Speaker

Mr guangyuan yuan

Prototype for Low-cost FPGA TDC with High Precision and Density

Speaker

Mr Di Jiang

Trigger System for BaF2 Detector Array Readout Electronics at CSNS-WNS

Speaker

Di JIANG

The Least Mean Squares Adaptive FIR Filter for RFI Suppression in Radio Detectors of Cosmic Rays

Speaker

Zbigniew Szadkowski

The Trigger- Time-Event-System for Wendelstein 7-X: Overview and first Operational Experiences

Speaker

Jörg Schacht

Upgrade of End-cap TOF Trigger system on BESIII

Speaker

Dr Jingzhou ZHAO

Data intercommunication layer and control system of ATLAS High Level Trigger

Speaker

Mark Stockton

Trigger system for a large area RPC TOFtracker

Speaker

Prof. Filomena Clemêncio

Detection of Neutrino-Induced Air Showers by the Artificial Neural Network FPGA Trigger

Speaker

Zbigniew Szadkowski

Data Chain Reconstructing Technology for the front-end electronics of the BESIII muon identification system

Speaker

Mr xiaoguang Zhang

Development of the electronics and data acquisition system for the triple-GEM detectors for the upgrade of the CMS forward muon spectrometer

Speaker

Gilles De Lentdecker

20-Channel 14MeV Neutron Detector Electronics Readout System

Speaker

Mr Shengquan Liu

Data acquisition system for the J-PARC E36 experiment

Speaker

Dr Youichi Igarashi

Design of a 10-Gbps Random Number Recorder

Speaker

Xinzhe Wang

Subcontributions

> **test 2**
>
> **Speaker**
>
> Rejean Fontaine

mbspex and pexornet - linux device drivers for PCIe optical receiver data acquisition and control

Speaker

Joern Adamczewski-Musch

A Timing Synchronizer System for Beam Test Setups requiring Galvanic Isolation

Speaker

Lukas Meder

The Data Acquisition Architecture for the "Dark matter Experiment using Argon Pulse-shaped discrimination - DEAP-3600 -

Speaker

Mr Pierre-Andre Amaudruz

Analog Data Acquisition and Processing FPGA-based Solutions Integrated in AreaDetector using FlexRIO technology

Speaker

Mr Ricardo Herrero

Multi-Channel FPGA-Based Data-Acquisition-System for Time-Resolved Single-Photon Counting in Synchrotron Radiation Experiments

Speaker

Dr Michael Ziolkowski

A readout system for the Ground Tests of the DAMPE BGO Calorimeter

Speaker

Junbin Zhang

Engineering Array Tests of High-Resolution Front End Electronics for Water Cherenkov Air Shower Detectors equipped with Cyclone V

Speaker

Zbigniew Szadkowski

A Modular Data Acquisition System using the 10 GSa/s PSEC4 Waveform Recording Chip

Speaker

Mircea Bogdan

The DAQ System for a Beam Detection System Based on TPC-THGEM

Speaker

Dr SI MA

A new preprocessing and control board for the phase 2 electronics of AGATA experiment.

Speaker

Javier Collado Ruiz

EMBEDDED IMPLEMENTATION OF A REAL-TIME SWITCHING CONTROLLER ON A ROBOTIC ARM

Speaker

Giuseppe Ferrò

Distributed and parallel real-time control system equipped FPGA-Zynq and EPICS middleware

Speaker

Sangil Lee

Integration of a real-time node for magnetic perturbations signal analysis in the distributed digital control system of the TCV tokamak

Speaker

Cristian Galperti

Experience with a Slow Control system based on industrial process control hardware and software for the Xenon1T Dark Matter Search

Speaker

Joao Cardoso

Real Time Control of Electron Density on RFX-mod Tokamak Discharges.

Speaker

roberto cavazzana

Real-time vertical plasma position control using the heavy ion beam diagnostic

Speaker

Mr Rafael Henriques

Current status of SPIDER CODAS and its evolution towards the ITER compliant NBI CODAS

Speaker

Gabriele Manduchi

Controlling DAQ Electronics using a SCADA Framework

Speaker

Luis Granado Cardoso

A Monitoring System for the LHCb Dataflow

Speaker

Joao Vitor Viana Barbosa

The laser control system for a calibration facility of light detector

Speaker

Stefano Mastroianni

The monitoring board for the calibration system of the g-2 experiment

Speaker

Stefano Mastroianni

Development of the EPICS-based Monitoring and Control System for EAST Fast Control Power System

Speaker

SHI LI

Mechanism of gamma-induced absorption bands formation at 665 nm in KS-4V and KI type quartz glasses.

Speaker

Dr B.S. Fayzullaev

$CLOUD^{CLOUD}$: general-purpose instrument monitoring and data managing software

Speaker

Antonio Dias

FPGA based RF and piezo controllers for SRF cavities in CW mode

Speaker

Dr Wojciech Cichalewski

The BGO system for Real Time Beam Background Monitoring in BEAST II

Speaker

Dr Jing-Ge Shiu

Portable calibration node for LHAASO KM2A detector array

Speaker

Dr Guanghua Gong

BEAM TRANSPORT SYSTEM OF ALPI-PIAVE ACCELERATOR'S COMPLEX AT LNL EPICS BASED

Speakers

Mr Maurizio Montis, Mauro Giacchini

Unified software architecture for the slow control system in the Belle II experiment

Speaker

Satoru Yamada

Real Time controller for R&D on ITER Ion Cyclotron Heating & Current Drive Source

Speaker

Sriprakash Verma

An Agile Quality Assurance Framework for the Development of Fusion Real-time Applications

Speaker

Dr Andre Cabrita Neto

12:30