

## **Session Program**

**8-14 Jun 2011**



# **TIPP 2011 - 2nd International Conference on Technology and Instrumentation in Particle Physics**

## ***Trigger and DAQ Systems***

Chicago, Sheraton Hotel  
301 East Water Street Chicago, IL 60611

# Thursday 9 June

14:00

## Trigger and DAQ Systems

**Session** | **Location:** Sheraton Hotel, Mayfair | **Convener:** Young-Kee Kim

14:00–14:30

### ATLAS TDAQ system: current status and performance

#### Speaker

Sergio Ballestrero

14:30–15:00

### Design, Implementation and Performance of the LHCb Online system

#### Speaker

Beat Jost

15:00–15:30

### The new frontier of the DATA acquisition using 1 and 10 Gb/s Ethernet links.

#### Speaker

Dr Filippo Costa

15:30

16:00

## Trigger and DAQ Systems

**Session** | **Location:** Sheraton Hotel, Mayfair | **Convener:** Srimi Rajagopalan

16:00–16:30

### Implementation and performance of the signal reconstruction in the ATLAS Hadronic Tile Calorimeter

#### Speaker

Alberto Valero

16:30–17:00

### Calibration and performance of the ATLAS Level-1 Calorimeter Trigger with LHC collision data

#### Speaker

Martin Wessels

17:00–17:30

### Operation and Performance of the CMS Level-1 Trigger during 7 TeV Collisions

#### Speaker

Pamela Renee Klabbers

17:30–18:00

### Software and Hardware R&D for CMS Trigger and Readout Upgrades

#### Speaker

Dr Robert Frazier

18:00

## Friday 10 June

14:00

### Trigger and DAQ Systems

**Session** | **Location:** Sheraton Hotel, Mayfair | **Convener:** Luciano Ristori

14:00–14:40

#### The ATLAS Trigger System in 2010 LHC proton-proton collisions

##### Speaker

Srini Rajagopalan

14:40–15:10

#### The LHCb Trigger: present and future.

##### Speaker

Roel Aaij

15:10–15:30

#### Resource utilization of the ATLAS High Level Trigger during 2010 LHC running

##### Speaker

Rustem Ospanov

15:30

16:00

### Trigger and DAQ Systems

**Session** | **Location:** Sheraton Hotel, Mayfair | **Convener:** Riccardo Paoletti

16:00–16:45

#### Invited talk: "The History of the Silicon Vertex Trigger of CDF"

##### Speaker

Dr Luciano Ristori

16:45–17:05

#### A new concept to use 3D vertical integration technology for fast pattern recognition

##### Speaker

Dr Jim Hoff

17:05–17:25

#### The EDRO board connected to the Associative Memory: a "Baby" FastTracker processor for the ATLAS experiment

##### Speaker

Dr Francesco Crescioli

17:25–17:45

#### A tracker/trigger design for an upgraded CMS Tracker

##### Speaker

Dr Leonard Spiegel

17:45–18:05

#### Design and studies of micro-strip stacked module prototypes for tracking at S-LHC

##### Speaker

Dr Giuseppe Broccolo

18:05

# Saturday 11 June

08:30

## Trigger and DAQ Systems

**Session** | **Location:** Sheraton Hotel, Mayfair | **Convener:** Fred Wickens

09:00–09:30

### GPUs for fast triggering in NA62 experiment

#### Speakers

Gianluca Lamanna, Sozzi Marco

09:30–10:00

### Performance Study of a GPU in Real-Time Applications for HEP Experiments

#### Speaker

Wesley Ketchum

10:00–10:30

### Commissioning and Performance of the CMS High Level Trigger

#### Speaker

Leonard Apanasevich

10:30

11:00

## Trigger and DAQ Systems

**Session** | **Location:** Sheraton Hotel, Mayfair | **Convener:** Adrian Biland

11:00–11:20

### Applications of Emerging Parallel Optical Link Technology to High Energy Physics Experiments

#### Speaker

Mr Alan Prosser

11:20–11:40

### Free Space Data Links for HEP Experiments

#### Speaker

Dr David Underwood

11:40–12:00

### Belle2Link — a unified high speed link in Belle II experiment

#### Speaker

Mr Dehui Sun

12:00–12:20

### Acquisition system and detector interface for power pulsed detectors

#### Speaker

Rémi Cornat

12:30

14:00

## Trigger and DAQ Systems

**Session** | **Location:** Sheraton Hotel, Mayfair | **Convener:** Rainer Bartoldus

14:00–14:20

### Design of the ATLAS IBL Readout System

#### Speaker

Dr Alessandro Polini

14:20–14:40

### An ATCA-based High Performance Compute Node for Trigger and Data Acquisition in Large Experiment

**Speaker**

Dr hao xu

14:40–15:00

**Construction of high speed, massively parallel, ATCA based Data Acquisition Systems using modular components****Speaker**

Gregg Thayer

15:00–15:30

**The DAQ and Trigger Systems for the Daya Bay Reactor Neutrino Experiment****Speaker**

Prof. Christopher White

15:30

16:00

**Trigger and DAQ Systems****Session** | **Location:** Sheraton Hotel, Mayfair | **Convener:** Beat Jost

16:00–16:30

**Design and Status of the Data Acquisition Software for the NOvA Experiment Detectors****Speaker**

Dr Susan Kasahara

16:30–17:00

**The Data Acquisition System for the KOTO Detector****Speaker**

Monica Tecchio

17:00–17:30

**Introduction of PANDA Data Acquisition System****Speaker**

Dr Hao Xu

17:30–18:00

**Design, Operation and Future of the CMS DAQ system.****Speaker**

Frans Meijers

18:00

# Monday 13 June

14:00

## Trigger and DAQ Systems

**Session** | **Location:** Sheraton Hotel, Mayfair | **Convener:** Frans Meijers

14:00–14:20

### A fast precision tracking trigger with RPCs for high luminosity LHC upgrade

**Speaker**

Dr Roberto Cardarelli

14:20–14:40

### GET: a Generic Electronic system for TPCs for nuclear physics experiments°

**Speaker**

Dr Emanuel Pollacco

14:40–15:00

### The GANDALF Multi-Channel Time-to-Digital Converter (TDC)

**Speaker**

Sebastian Schopferer

15:00–15:20

### CMS Web-Based Monitoring

**Speaker**

Dr Zongru Wan

15:20–15:40

### A two level trigger system for the ICARUS LAr-TPC

**Speaker**

Mr Daniele Dequal

16:00