

**Session Program**

**2-6 Jun 2014**



**Tipp 2014 - Third International Conference  
on Technology and Instrumentation in  
Particle Physics**

***III.b Trigger & DAQ***

Beurs van Berlage

# Monday 2 June

16:10

## III.b Trigger & DAQ: Session 1

**Session** | **Location:** Beurs van Berlage, Graanbeurszaal | **Convener:** Katsuo Tokushuku

**16:10-16:30** The new CMS DAQ system for run 2 of the LHC

**Speaker**

Mr Jan Veverka

**16:30-16:50** Evolution of the ReadOut System of the ATLAS experiment

**Speaker**

Wainer Vandelli

**16:50-17:10**

**Boosting Event Building Performance using Infiniband FDR for the CMS Upgrade**

**Speaker**

Andrew Kevin Forrest

**17:10-17:30**

**A scalable gigabit data acquisition system for calorimeters for linear collider**

**Speaker**

Franck Gastaldi

**17:30-17:50** CMD-3 TOMA DAQ goes to KEDR detector.

**Speaker**

Mr Alexander Ruban

**17:50-18:10** The Data Acquisition System for the KOTO detector

**Speaker**

Stephanie Su

18:10

## Tuesday 3 June

16:10

### III.b Trigger & DAQ: Session 2

**Session** | **Location:** Beurs van Berlage, Graanbeurszaal | **Convener:** Dr Brian Petersen

**16:10-16:30** **The LHCb trigger system: performance and outlook**

**Speakers**

Gerhard Raven, Johannes Albrecht, Vladimir Gligorov

**16:30-16:50** **CMS Trigger Improvements towards Run II**

**Speaker**

Muriel Vander Donckt

**16:50-17:10** **The CERN NA62 experiment: Trigger and Data Acquisition**

**Speaker**

Jacopo Pinzino

**17:10-17:30** **The Phase-1 Upgrade of the ATLAS First Level Calorimeter Trigger**

**Speaker**

Ivana Radoslavova Hristova

**17:30-17:50**

**A Muon Trigger with high  $p_T$ -resolution for Phase-II of the LHC Upgrade, based on the ATLAS Muon Drift Tube Chambers (MDT)**

**Speaker**

Vazgen Gabrielyan

18:10

## Thursday 5 June

11:00

### III.b Trigger & DAQ: Session 3

**Session** | **Location:** Beurs van Berlage, Graanbeurszaal | **Convener:** Katsuo Tokushuku

11:00-11:20

#### A specialized processor for track reconstruction at the LHC crossing rate

**Speaker**

Diego Tonelli

11:20-11:40

#### Towards a Level-1 tracking trigger for the ATLAS experiment

**Speaker**

Alex Cerri

11:40-12:00

#### First prototype of a silicon tracker using an 'artificial retina' for fast track finding

**Speaker**

Nicola Neri

12:00-12:20

#### Many-core studies on pattern-recognition in the LHCb experiment

**Speaker**

Stefano Gallorini

12:20-12:40

#### Tracking at High Level Trigger in CMS

**Speaker**

Mia Tosi

12:40

## Friday 6 June

14:00

### III.b Trigger & DAQ: Session 4

**Session** | **Location:** Beurs van Berlage, Graanbeurszaal | **Convener:** Dr Brian Petersen

14:00-14:20

#### **Design and development of the Power Supply Board within the Digital Optical Module in KM3NeT**

**Speakers**

Dr Anastasios Belias, Dr Konstantinos Manolopoulos

14:20-14:40

#### **Sharing high speed optical data transmission links with Slow Control stream**

**Speaker**

Prof. Zhen-An Liu

14:40-15:00

#### **Development of a Data Acquisition System for the Belle II Silicon Vertex Detector**

**Speaker**

Katsuro Nakamura

15:00-15:20

#### **Development and test of a versatile DAQ system based on the ATCA standard**

**Speaker**

Ourania Sidiropoulou

15:20-15:40

#### **Development of MTCA/xTCA/ATCA based instrumentation for particle physics at IHEP**

**Speaker**

Zhen-An LIU

15:40