

# **Workshop on FPGAs for High-Energy Physics**

## **Report of Contributions**

Contribution ID: 4

Type: **not specified**

## **Welcome and Introduction - Helio Takai (BNL) and Mike Wirthlin (BYU)**

*Friday 21 March 2014 08:30 (15 minutes)*

**Presenters:** TAKAI, Helio (Brookhaven National Laboratory (US)); WIRTHLIN, Michael (Brigham Young University)

Contribution ID: 5

Type: **not specified**

## **FPGAs in the upgrade of CMS HCAL**

*Friday 21 March 2014 09:00 (20 minutes)*

**Presenter:** GRASSI, Tullio (Univ. of Maryland (USA))

Contribution ID: 6

Type: **not specified**

## **Very Forward Muon Trigger and Data Acquisition Electronics for CMS: Design and Radiation Testing**

*Friday 21 March 2014 09:20 (20 minutes)*

**Presenters:** BYLSMA, Benjamin Glenn (Ohio State University (US)); GILMORE, Jason (Texas A & M University (US))

Contribution ID: 7

Type: **not specified**

## **FPGAs in ATLAS Front-End Electronics**

*Friday 21 March 2014 10:30 (30 minutes)*

**Presenters:** BOHM, Christian (Stockholm University (SE)); AKERSTEDT, Henrik Mikael Erik (Stockholm University (SE))

Contribution ID: **8**

Type: **not specified**

## **FPGAs in LHCb**

*Friday 21 March 2014 11:00 (30 minutes)*

**Presenter:** O'BANNON, Thomas (University of Maryland (US))

Contribution ID: 9

Type: **not specified**

## Single Event Effects in Complex Components

*Friday 21 March 2014 14:00 (30 minutes)*

**Primary author:** WHITE, Dagan (Xilinx)

**Presenter:** WHITE, Dagan (Xilinx)

Contribution ID: **10**

Type: **not specified**

## **Using Microsemi Flash-Based FPGA in Radiation Environment**

*Friday 21 March 2014 15:30 (30 minutes)*

**Presenter:** WANG, JJ



Contribution ID: 11

Type: **not specified**

## **Experience from using SRAM based FPGAs in the ALICE TPC Detector and Future Plans**

*Friday 21 March 2014 12:00 (30 minutes)*

**Presenter:** ALME, Johan (Bergen University College (NO))

Contribution ID: 13

Type: **not specified**

## **The unique challenges of SEE testing for FPGAs**

*Friday 21 March 2014 14:30 (30 minutes)*

**Presenter:** SWIFT, Gary (Swift Engineering)

Contribution ID: 14

Type: **not specified**

## **Scrubbing and Mitigation for 28-nm Kintex-7 FPGAs**

*Friday 21 March 2014 11:30 (30 minutes)*

**Presenter:** WIRTHLIN, Michael (Brigham Young University)

Contribution ID: 15

Type: **not specified**

## Discussion and Closing

*Friday 21 March 2014 16:00 (30 minutes)*

**Presenters:** TAKAI, Helio (Brookhaven National Laboratory (US)); POSPISIL, Jan (Acad. of Sciences of the Czech Rep. (CZ)); WIRTHLIN, Michael (Brigham Young University)

Contribution ID: 16

Type: **not specified**

## **Asynchronous Links for the DTTF L1 Trigger system of CMS**

*Friday 21 March 2014 09:40 (20 minutes)*

**Presenter:** Mr LOUKAS, Nikitas (University of Ioannina (GR))

Contribution ID: 17

Type: **not specified**

## **Proton irradiation test of an Altera SRAM-based FPGA for the possible usage in the readout electronics of the LHCb experiment**

*Friday 21 March 2014 08:45 (15 minutes)*

**Presenter:** FAERBER, Christian (Ruprecht-Karls-Universitaet Heidelberg (DE))