# Workshop on Concurrency in the many-Cores Era

# Report of Contributions

https://indico.fnal.gov/e/4986

Contribution ID: **0** Type: **not specified**

# Coffee Break

Contribution ID: **1** Type: **not specified**

# Coffee Brak

Contribution ID: **2** Type: **not specified**

# Coffe Break

Contribution ID: **3** Type: **not specified**

# Coffee Break

Contribution ID: **4** Type: **not specified**

# Welcome

*Monday, 21 November 2011 09:00 (5 minutes)*

**Presenter:** Mr CANAL, Philippe (FERMILAB)

**Session Classification:** Requirements and needs from existing and upcoming experiments.

Contribution ID: **5** Type: **not specified**

# Intensity Frontier Experiment

*Monday, 21 November 2011 09:05 (30 minutes)*

**Presenter:** Dr REBEL, Brian (Fermilab)

**Session Classification:** Requirements and needs from existing and upcoming experiments.

Contribution ID: **6** Type: **not specified**

# Nova , g-2

*Monday, 21 November 2011 09:35 (30 minutes)*

**Presenter:** Dr NORMAN, Andrew (Fermilab)

**Session Classification:** Requirements and needs from existing and upcoming experiments.

Contribution ID: **7** Type: **not specified**

# athenaMP

*Monday, 21 November 2011 14:30 (30 minutes)*

**Presenter:** TSULAIA, Vakho

**Session Classification:** Requirements and needs from existing and upcoming experiments.

Contribution ID: **8** Type: **not specified**

# GaudiMT

*Monday, 21 November 2011 10:05 (30 minutes)*

**Presenter:** LEGGETT, Charles

**Session Classification:** Requirements and needs from existing and upcoming experiments.

Contribution ID: **9** Type: **not specified**

# CMS

*Monday, 21 November 2011 14:00 (30 minutes)*

**Presenter:** SEXTON-KENNEDY, Elizabeth (FNAL)

**Session Classification:** Requirements and needs from existing and upcoming experiments.

Contribution ID: **10** Type: **not specified**

# <to be defined>

**Presenter:** INNOCENTE, Vincenzo

Contribution ID: **11** Type: **not specified**

# Parallel accelerator simulations: past, present and future

*Monday, 21 November 2011 11:00 (30 minutes)*

**Presenter:** Dr AMUNDSON, James (Fermilab)

**Session Classification:** Hardware technology and trends and how it is planned to be done in other domains

Contribution ID: **12** Type: **not specified**

# HPC news from SuperComputing

*Monday, 21 November 2011 11:30 (30 minutes)*

**Presenter:** SINGH, Amitoj

**Session Classification:** Hardware technology and trends and how it is planned to be done in other domains

Contribution ID: **13** Type: **not specified**

# Update from Intel Corp.

*Monday, 21 November 2011 12:00 (30 minutes)*

**Presenter:** NEWBURN, Chris (Intel Corp.)

**Session Classification:** Hardware technology and trends and how it is planned to be done in other domains

Contribution ID: **14** Type: **not specified**

# I/O worker processes using shmem

*Monday, 21 November 2011 16:00 (30 minutes)*

**Presenter:** Dr VAN GEMMEREN, Peter (ANL)

**Session Classification:** Evaluation of technologies, designs ideas and prototypes

Contribution ID: **15** Type: **not specified**

# GO, tasks and dataflow data from athena

*Tuesday, 22 November 2011 10:00 (30 minutes)*

**Presenter:** Dr BINET, Sebastien (IN2P3/LAL)

**Session Classification:** Evaluation of technologies, designs ideas and prototypes

Contribution ID: **16** Type: **not specified**

# Future of Art

*Tuesday, 22 November 2011 11:30 (30 minutes)*

**Presenter:** Dr PATERNO, Marc Paterno (Fermilab)

**Session Classification:** Evaluation of technologies, designs ideas and prototypes

Contribution ID: **17** Type: **not specified**

# Simulation and many cores.

*Monday, 21 November 2011 15:00 (30 minutes)*

**Presenter:** Mr CANAL, Philippe (FERMILAB)

**Session Classification:** Evaluation of technologies, designs ideas and prototypes

Contribution ID: **18** Type: **not specified**

# Evaluation of a virtualization based solution

*Tuesday, 22 November 2011 09:00 (30 minutes)*

**Presenter:** BUNCIC, Predrag (CERN)

**Session Classification:** Evaluation of technologies, designs ideas and prototypes

Contribution ID: **19** Type: **not specified**

# re-engineering frameworks for concurrency

*Tuesday, 22 November 2011 12:00 (30 minutes)*

**Presenters:** Dr HEGNER, Benedikt (CERN); Dr MATO, Pere (CERN)

**Session Classification:** Evaluation of technologies, designs ideas and prototypes

Contribution ID: **20** Type: **not specified**

# Using libdispatch While Reading a ROOT File

*Tuesday, 22 November 2011 11:00 (30 minutes)*

**Presenter:** Dr JONES, Christopher (Fermilab)

**Session Classification:** Evaluation of technologies, designs ideas and prototypes

Contribution ID: **21** Type: **not specified**

# Sharing C++ Objects in Linux

*Monday, 21 November 2011 16:30 (30 minutes)*

**Presenter:** VITILLO, Roberto

**Session Classification:** Evaluation of technologies, designs ideas and prototypes

Contribution ID: **22** Type: **not specified**

# Event data processing frameworks for the future

*Tuesday, 22 November 2011 09:30 (30 minutes)*

**Presenter:** FRANK, Markus (CERN)

**Session Classification:** Evaluation of technologies, designs ideas and prototypes

Contribution ID: **23** Type: **not specified**

# Discussion on the Future Hardware

*Tuesday, 22 November 2011 15:00 (20 minutes)*

**Presenter:** Dr LAZZARO, Alfio (CERN openlab)

**Session Classification:** Discussion on future development