

Session Program

Apr 13 - 17, 2015



21st International Conference on Computing in High Energy and Nuclear Physics **CHEP2015** Okinawa Japan: April 13 - 17, 2015

21st International Conference on Computing in High Energy and Nuclear Physics (CHEP2015)

Track 7 Session

OIST

1919-1 Tancha, Onna-son, Kunigami-gun Okinawa, Japan 904-0495

Mon, April 13

4:30 PM

Track 7 Session: #1 (Site operations)

Session | Location: C210, C210 | Convener: Jeff Templon

4:30 - 4:45 PM **Scaling the CERN OpenStack cloud**

Speaker

Stefano Zilli

4:45 - 5:00 PM **Benchmarking and accounting for the (private) cloud**

Speaker

Dr Ulrich Schwickerath

5:00 - 5:15 PM **Managing virtual machines with Vac and Vcycle**

Speaker

Andrew McNab

5:15 - 5:30 PM

Evaluation of containers as a virtualisation alternative for HEP workloads

Speaker

Andrew John Washbrook

5:30 - 5:45 PM

docker & HEP: containerization of applications for development, distribution and preservation.

Speaker

Ben Couturier

5:45 - 6:00 PM

Integrated Monitoring-as-a-service for Scientific Computing Cloud applications using the Elasticsearch ecosystem

Speaker

Sara Vallero

6:00 - 6:15 PM **Implementation of the vacuum model using HTCondor**

Speaker

Andrew David Lahiff

6:30 PM

Tue, April 14

2:00 PM

Track 7 Session: #2 (volunteer computing, storage)

Session | Location: C210, C210 | Convener: Federico Stagni

2:00 – 2:15 PM **Towards a production volunteer computing infrastructure for HEP**

Speaker

Dr Miguel Marquina

2:15 – 2:30 PM **ATLAS@Home: Harnessing Volunteer Computing for HEP**

Speaker

David Cameron

2:30 – 2:45 PM **CMS@Home: Enabling Volunteer Computing Usage for CMS**

Speaker

Laurence Field

2:45 – 3:00 PM

Dynamic provisioning of local and remote compute resources with OpenStack

Speaker

Mr Thomas Hauth

3:00 – 3:15 PM **Using S3 cloud storage with ROOT and CvmFS**

Speaker

Maria Arsuaga Rios

3:15 – 3:30 PM **New adventures in storage: cloud storage and CDMI**

Speaker

Paul Millar

3:30 – 3:45 PM **Enabling opportunistic resources for CMS Computing Operations**

Speaker

Dirk Hufnagel

4:00 PM

4:30 PM

Track 7 Session: #3 (user for experiments)

Session | Location: C210, C210 | Convener: Claudio Grandi

4:30 – 4:45 PM

HEP cloud production using the CloudScheduler/HTCondor Architecture

Speaker

Ian Gable

4:45 – 5:00 PM **The diverse use of clouds by CMS**

Speaker

Dr David Colling

5:00 – 5:15 PM **Evolution of Cloud Computing in ATLAS**

Speaker
Ryan Taylor

5:15 - 5:30 PM **Utilizing cloud computing resources for BelleII**

Speaker
Dr Randy Sobie

5:30 - 5:45 PM **LHCb experience with running jobs in virtual machines**

Speaker
Andrew McNab

5:45 - 6:00 PM **BESIII physical offline data analysis on virtualization platform**

Speaker
Ms Bowen Kan

6:00 - 6:15 PM **SkyGrid - where cloud meets grid computing**

Speaker
Alexander Baranov

6:30 PM

Thu, April 16

9:00 AM

Track 7 Session: #4

Session | Location: C210, C210 | Convener: Andrew McNab

9:00 - 9:15 AM **Status and Roadmap of CernVM**

Speaker

Gerardo Ganis

9:15 - 9:30 AM **CernVM WebAPI - Controlling Virtual Machines from the Web**

Speaker

Ioannis Charalampidis

9:30 - 9:45 AM

Lightweight scheduling of elastic analysis containers in a competitive cloud environment: a Docked Analysis Facility for ALICE

Speaker

Dario Berzano

9:45 - 10:00 AM **Cloud Federation - the new way to build distributed clouds**

Speaker

Marek Kamil Denis

10:00 - 10:15 AM **Interoperating Cloud-based Virtual Farms**

Speaker

Dr Stefano Bagnasco

10:15 - 10:30 AM **Cloud services for the Fermilab scientific stakeholders**

Speaker

Parag Mhashilkar

10:30 AM