Session Program

10-14 Oct 2016

CHEP 2016 Conference, San Francisco, October 8-14, 2016

Posters B / Break

San Francisco Marriott Marquis

Wednesday 12 October

15:30

Posters B / Break
Poster Session | **Location:** San Francisco Marriott Marquis

PaaS for web applications with OpenShift Origin

Speaker

Alexandre Lossent

Scaling Up a CMS Tier-3 Site with Campus Resources and a 100 Gb/s Network Connection: What Could Go Wrong?

Speakers

Anna Elizabeth Woodard, Matthias Wolf

Windows Terminal Server Orchestration

Speaker

Tim Smith

Support Vector Machines in HEP

Speaker

Adrian Bevan

The merit of data processing application elasticity

Speaker

Dr Vardan Gyurjyan

The Payload Inspector: a tool for the visualization of Calibration and Alignment constants stored in the CMS condition database

Speaker

Audrius Mecionis

Towards more common build tools - experience with using spack in HEP

Mesos exploitation within INDIGO-DataCloud for multi-site long-running services, computational workloads and advanced PaaS features

Netfinder, a real-time network topology discovery tool

Speaker

Donato De Girolamo

Research and application of OpenStack in Chinese Spallation Neutron Source Computing environment

Speaker

Yakang li

The Czech National Grid Infrastructure

Speakers

Dr Jiri Chudoba, Jiri Chudoba

Plancton: an opportunistic distributed computing project based on Docker containers

Speaker

Matteo Concas

Monitoring of the infrastructure and services used to handle and automatically produce Alignment and Calibration conditions at CMS

Speaker

Roland Sipos

Next Generation Monitoring

Speaker

Robert Fay

The ATLAS Computing Agora : a resource web site for citizen science projects

Speaker

Riccardo Maria Bianchi

Vibration monitoring system for the RACF data center at BNL

Speaker

Alexandr Zaytsev

Migrating the Belle II Collaborative Services and Tools

Speaker

Andreas Gellrich

Migration Routes to Virtual Technologies

Speaker

Stephen Jones

LHCb Dockerized Build Environment

How Pre-Commercial Procurement can fund innovative cloud services

Speaker

Helge Meinhard

Parallel Algorithms for Online Trackfinding at PANDA Using GPUs

Parallel metric trees for multi-billion body simulations

Speaker

Peter Hobson

LHCb migration from Subversion to Git

Pythonization API for Cppyy

Speaker

Wim Lavrijsen

Experiment Software and Projects on the Web with VISPA

Speakers

Marcel Rieger, Robert Fischer

MPEXS: A CUDA MonteCarlo of the simulaiton of electromagnetic interactions

Speaker
Andrea Dotti

JavaScript ROOT v4

Speaker
Sergey Linev

Pyglidein - a simple HTCondor glidein service

Speaker
David Schultz

Using Docker in HEP

Speaker
Marc Paterno

Resources monitoring and automatic management system for multi-VO distributed computing system

Speakers
Igor Pelevanyuk, Mr Jiong Chen

Optimizing the resource usage in Cloud based environments: the Synergy approach

Speaker
Lisa Zangrando

Workflow Management for Complex HEP Analyses

Speaker
Robert Fischer

Towards automation of data quality system for CERN CMS experiment

Speaker
Maxim Borisyak

The Instant Glidein: A generic approach for the late-binding jobs to various resouce types

LHCbDIRAC as Apache Mesos microservices

Speakers
Ben Couturier, Christophe Haen

Using OSG Computing Resources with (iLC)DIRAC

The Machine/Job Features mechanism

Scalable Global Grid catalogue for LHC Run3 and beyond

Speaker
Miguel Martinez Pedreira

Production Management System for AMS Remote Computing Centers

Speaker
Baosong Shan

Monitoring the LHCb data quality system

Use of a hardware token for Grid authentication by the MICE data distribution framework

Speaker

Dr J.J. Nebrensky

The CMS Data Analysis School experience

Speaker

Dr Nicola De Filippis

The INDIGO-DataCloud Authentication and Authorisation Infrastructure

Speaker

Paul Millar

Last development of the Long Term Data Preservation project for CDF at INFN CNAF

Speaker

michele pezzi

An educational distributed Cosmic Ray detector network based on ArduSiPM using microcontrollers as data acquisition node NTP protocol as time distribution and IoT technology for data aggregation.

Speaker

Valerio Bocci

Update on CERN Search based on SharePoint 2013

Speaker

Alexandre Lossent

The ZEUS data preservation project

Speaker

Andrii Verbytskyi

Computing shifts to monitor ATLAS distributed computing infrastructure and operations

Speaker

Michal Svatos

Engaging Industry for Innovation in the LHC run3-4 R&D program: CERN openlab

Speaker

Maria Girone

Connecting restricted, high-availability, or low-latency resources to a seamless Global Pool for CMS

Speaker

Kenyi Paolo Hurtado Anampa

Detector control system for the AFP detector in ATLAS experiment at CERN

Speaker

Elzbieta Banas

Readout and trigger for AFP detector at ATLAS experiment

Speaker

Krzysztof Marian Korcyl

Design and Deployment of a Elastic Network Test-bed in IHEP Data Center based on SDN

Speaker

Ms SHAN ZENG

Offline Software for the CMS Level-1 Trigger

Triggering on leptons and photons on ATLAS

Speaker

Masahiro Tanaka

Performance of the CMS Event Builder

Speaker

Remi Mommsen

The end-to-end network performance troubleshooting cookbook

Speaker

Mr Vincenzo Capone

Research on an universal Openstack upgrade solution

STAR Data Production at NERSC/Cori, an adaptable Docker container approach for HPC

Speaker

Dr Mustafa Mustafa

SWATCH: Common software for controlling and monitoring the upgraded CMS Level-1 trigger

Speaker

Christos Lazaridis

OpenFabrics Interface and NanoMsg

Speaker

Ioannis Charalampidis

The ATLAS Data Acquisition System LHC Run 2

Speaker

Jose Guillermo Panduro Vazquez

The ATLAS Run 2 Trigger: Design, Menu, Performance and Operational Aspects

Speaker

Tim Martin

The new inter process communication middle-ware for the ATLAS Trigger and Data Acquisition system.

Speaker

Jose Guillermo Panduro Vazquez

Using ALFA for high throughput, distributed data transmission in ALICE O2 system

Speaker

Adam Tadeusz Wegrzynek

Visualization of historical data for the ATLAS detector controls

Speaker

Julian Piotr Maciejewski

YARR - A PCIe based readout concept for current and future ATLAS Pixel Modules

Speaker

Timon Heim

MCBooster: a library for fast Monte Carlo generation of phase-space decays in massively parallel platforms.

Speaker

Michael David Sokoloff

Python object-oriented framework for consuming, manipulating and releasing non-event data for the CMS alignment and calibration.

Speaker

Joshua Heneage Dawes

Real-time complex event processing for cloud resources

Speaker

Cristovao Cordeiro

Recent progress of Geant4 electromagnetic physics for LHC and other applications

Speaker

Daren Lewis Sawkey

Reconstruction and calibration of MRPC endcap TOF of BESIII

Speaker

Dr Shengsen Sun

Representing Misalignments of the STAR Geometry Model using AgML

Speaker

Jason Webb

Simulation of orientational coherent effects via Geant4

Speaker

Enrico Bagli

Software Aspects of the Geant4 Validation Repository

Speaker

Andrea Dotti

The Detector Final State pattern: Using the Web Ontology Language to describe a Physics Analysis

Speaker

Gordon Watts

Master of Puppets

Speaker

Christopher Jon Lee

The Performance of AMS Offline Software on IBM Blue Gene/Q Architecture

LStore: Logistical Storage

Real time analysis with the upgraded LHCb trigger in Run-III

Speaker

Tomasz Szumlak

Simulating storage part of application with Simgrid

Speaker

Mrs cong wang

Storageless and caching Tier-2 models in the UK context

Speaker

David Crooks

Towards redundant services in dCache

Speaker

Paul Millar

Integration of Openstack Cloud Resources in BES III Computing Cluster

Upgrading and Expanding Lustre Storage for use with the WLCG

Speaker

Dr Daniel Traynor

New Directions in the CernVM File System

Speaker

Jakob Blomer

Rucio Auditor - Consistency in the ATLAS Distributed Data Management System

Speaker

Vincent Garonne

Object-based storage integration within the ATLAS DDM system

Speaker

Vincent Garonne

Rucio WebUI - The Web Interface for the ATLAS Distributed Data Management

Speaker

Thomas Beermann

Global EOS: exploring the 300-ms-latency region

XrootdFS, a posix file system for XrootD

Speakers

Andrew Bohdan Hanushevsky, Wei Yang

Storage Strategy of AMS Science Data at Science Operation Center at CERN

Speaker

Vitaly Choutko

Metadata for fine-grained processing at ATLAS

Speaker

Jack Cranshaw

Tape SCSI monitoring and encryption at CERN

Speaker

Daniele Francesco Kruse

Large-scale distributed usage of NLO and multi-leg Monte Carlo event generators on the grid and at Argonne Leadership Computing Facility

Speaker

Josh Bendavid

The Fast Simulation Chain for ATLAS

The Simulation Library of the Belle II Experiment

Speaker

Martin Ritter

Tracks pattern recognition for the SHiP Spectrometer Tracker

Speaker

Mikhail Hushchyn

Using 3D Engineering Models in a GEANT Simulation

Speaker

Mrs Leah Welty-Rieger

The LHCb Grid Simulation

Speaker

Mikhail Hushchyn

Virtual Machine Provisioning, Code Management and Data Movement Design for the Fermilab HEPCloud Facility

Speakers

Burt Holzman, Gabriele Garzoglio, Steven Timm, Stuart Fuess

Web technology detection - for asset inventory and vulnerability management

Speaker

Sebastian Lopienski

Federated data storage system prototype for LHC experiments and data intensive science

Speaker

Andrey Kirianov

Globally Distributed Software Defined Storage

Speaker

Andrey Shevel

HNType : a diverse trace and migration mechanism in the block based Hierarchical Storage System named HazelNut

Speaker

Dr Ran Du

Experiments Toward a Modern Analysis Environment: Using TMVA and other tools in a functional world with continuous integration for analysis

Speaker

Gordon Watts

Facilitating the deployment and exploitation of HEP Phenomenology codes using INDIGO-Datacloud tools

Speakers

Emanuele Angelo Bagnaschi, Isabel Campos Plasencia

Finding unused memory allocations with FOM-tools

Speaker

Nathalie Rauschmayr

Large scale software building with CMake in ATLAS

Microservices for systematic profiling and monitoring of the refactoring process at the LHCb experiment

Performance studies of GooFit on GPUs versus RooFit on CPUs while estimating the statistical significance of a new physical signal

Statistical and Data Analysis Package in SWIFT

Speaker

Claude Andre Pruneau

The DAQ system for the AEgIS experiment

Speaker

Francesco Prelz

The Resource Manager of the ATLAS Trigger and Data Acquisition system

Speaker

William Panduro Vazquez

Flexible online monitoring for high-energy physics with Pyrame

Speaker

Miguel Rubio-Roy

Flexible trigger menu implementation on the Global Trigger for the CMS Level-1 trigger upgrade

Impact of tracker layout on track reconstruction in pp collisions with high pileup at CMS.

Speaker

Slava Krutelyov

Scheduling beams at CERN, the new AD central timing

Speaker

Andrzej Dworak

16:45