

# **CERN openlab summer students' lightning talks 2**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

## Welcome and Introduction

*Thursday 16 August 2018 13:30 (10 minutes)*

**Presenter:** DI MEGLIO, Alberto (CERN)

Contribution ID: 2

Type: **not specified**

# Employing HPC for Heterogeneous HEP Data Processing

*Thursday 16 August 2018 13:40 (7 minutes)*

**Presenter:** BARBONE, Marco

Contribution ID: 3

Type: **not specified**

## **Parallel task execution. Mco replacement**

*Thursday 16 August 2018 13:54 (7 minutes)*

**Presenter:** DE FRUTOS PORRAS, Jose Manuel

Contribution ID: 4

Type: **not specified**

## **Optimization of data transfer for 100 Gbit Ethernet**

*Thursday 16 August 2018 14:01 (7 minutes)*

**Presenter:** GALLI, Massimiliano

Contribution ID: 5

Type: **not specified**

## **MPI Learn: Distributed learning over MPI**

*Thursday 16 August 2018 14:15 (7 minutes)*

**Presenter:** GUERRA MAGALHAES, Filipe Pedro

Contribution ID: 6

Type: **not specified**

## **CERN Web Services OpenShift Website registration**

*Thursday 16 August 2018 13:47 (7 minutes)*

**Presenter:** GUPTA, Neha

Contribution ID: 7

Type: **not specified**

## Evaluating Java Mission Control

*Thursday 16 August 2018 14:22 (7 minutes)*

**Presenter:** HURLEY, Scott James



Contribution ID: 8

Type: **not specified**

## **PyXRootD PyPi distribution & new declarative file access API for XRootD client**

*Thursday 16 August 2018 14:36 (7 minutes)*

**Presenter:** JAMROG, Krzysztof Piotr (AGH University of Science and Technology (PL))

Contribution ID: 9

Type: **not specified**

# Deep Generative Models for Calorimeter Simulations

*Thursday 16 August 2018 14:43 (7 minutes)*

**Presenter:** KHAIDUROV, Ruslan

Contribution ID: **10**

Type: **not specified**

## **Fast Inference on FPGA's for HEP Trigger Systems**

*Thursday 16 August 2018 15:07 (7 minutes)*

**Presenter:** KHAYYAM, Umar

Contribution ID: **11**

Type: **not specified**

## **POSEIDON: The secrets of the Trident Node monitoring tool**

*Thursday 16 August 2018 15:21 (7 minutes)*

**Presenter:** KUFFO RIVERO, Leonardo Xavier

Contribution ID: 12

Type: **not specified**

## **Machine learning capabilities for the new monitoring of the storage infrastructure**

*Thursday 16 August 2018 15:28 (7 minutes)*

**Presenter:** LIPRERI, Fabio

Contribution ID: 13

Type: **not specified**

## Container Security Scanning for Vulnerabilities

*Thursday 16 August 2018 15:42 (7 minutes)*

**Presenter:** Mr LUCENA SOARES, Roberto Matheus

Contribution ID: 14

Type: **not specified**

# Natural Language Processing in Scientific Research

*Thursday 16 August 2018 14:29 (7 minutes)*

**Presenter:** MANAFLI, Amina Ariz Qizi

Contribution ID: 15

Type: **not specified**

## Distributed BioDynaMo

*Thursday 16 August 2018 15:49 (7 minutes)*

**Presenter:** NGUYEN, Nam



Contribution ID: **16**

Type: **not specified**

## **REANA: To reusability...and beyond!**

*Thursday 16 August 2018 16:03 (7 minutes)*

**Presenter:** PEREZ CASTANO, Sinclert Pablo (Openlab summer student)

Contribution ID: 17

Type: **not specified**

## **Develop streaming pipelines and analytics solutions for CERN's IoT Platform**

*Thursday 16 August 2018 14:50 (7 minutes)*

**Presenter:** QUINTERO VALLEJOS, Natacha Andrea

Contribution ID: **18**

Type: **not specified**

## **Achieve a 0-downtime CERN Database infrastructure**

*Thursday 16 August 2018 15:14 (7 minutes)*

**Presenter:** RAO, Varsha

Contribution ID: **19**

Type: **not specified**

## **Wi-Fi Network Automation with Stackstorm**

*Thursday 16 August 2018 14:08 (7 minutes)*

**Presenter:** RUCI, Xhesika

Contribution ID: 20

Type: **not specified**

## Ceph Deployment with Rook

*Thursday 16 August 2018 15:35 (7 minutes)*

**Presenter:** SARFRAZ, Rubab Zahra

Contribution ID: 21

Type: **not specified**

# Information aggregation and analytics for ATLAS Frontier

*Thursday 16 August 2018 15:56 (7 minutes)*

**Presenter:** SI AMER, Millissa (CERN)

Contribution ID: 22

Type: **not specified**

# Quantitative workflow characterization and modeling

*Thursday 16 August 2018 16:10 (7 minutes)*

**Presenter:** TOPALIDOU, Alexia

Contribution ID: 23

Type: **not specified**

## **Matomo Web Analytics for CERN Web Services**

*Thursday 16 August 2018 16:17 (7 minutes)*

**Presenter:** TOTH, Christian



Contribution ID: 24

Type: **not specified**

## Deliberation time

During this break the judges will be deliberating and discuss who is the winner of the Lightning talk session nr 2, and decide on the overall winner of both sessions.

Contribution ID: 25

Type: **not specified**

## **Presentation of winners**

*Thursday 16 August 2018 16:44 (15 minutes)*