

WLCG Workshop 2017

Report of Contributions

Contribution ID: 1

Type: **not specified**

Introduction

Contribution ID: 2

Type: **not specified**

Collaboration Board

Presenter: JONES, Roger (Lancaster University (GB))

Contribution ID: 3

Type: **not specified**

Medium Term Evolution - Compute

Presenter: KEEBLE, Oliver (CERN)

Contribution ID: 4

Type: **not specified**

Medium Term Evolution - Security & Trust

Contribution ID: 5

Type: **not specified**

Medium Term Evolution - Data

Contribution ID: 6

Type: **not specified**

IPv6

Contribution ID: 7

Type: **not specified**

CWP Status

Contribution ID: 8

Type: **not specified**

Networking

Contribution ID: 9

Type: **not specified**

Data contd

Contribution ID: **10**

Type: **not specified**

Compute continued

Presenter: KEEBLE, Oliver (CERN)

Contribution ID: 11

Type: **not specified**

Infrastructure & Technology Evolution

Contribution ID: 12

Type: **not specified**

Operational Tools, Benchmarking, Accounting etc

Contribution ID: 13

Type: **not specified**

Infrastructure & Technology Evolution

Contribution ID: **14**

Type: **not specified**

Coffee

Wednesday, June 21, 2017 3:30 PM (30 minutes)

Contribution ID: 15

Type: **not specified**

Operational Tools

Contribution ID: **16**

Type: **not specified**

Data part 1

Session Classification: Medium term evolution - Data

Contribution ID: 17

Type: **not specified**

Site and storage architecture - regional federations

Tuesday, June 20, 2017 11:30 AM (10 minutes)

Presenter: SOBIE, Randy (University of Victoria (CA))

Session Classification: Medium term evolution - Data

Contribution ID: **18**

Type: **not specified**

SKA data management

Tuesday, June 20, 2017 11:00 AM (10 minutes)

Presenter: BOLTON, Rosie

Session Classification: Medium term evolution - Data

Contribution ID: 19

Type: **not specified**

SKA Networking Requirements

Tuesday, June 20, 2017 1:30 PM (20 minutes)

I will talk about networks within the telescope, the inter-continental network needs, and the work going on in the AENEAS project which is forming a design for the SKA European Science Data Centre. I will also discuss the basic needs and cover areas of possible collaboration with WLCG on networking.

Presenter: HUGHES-JONES, Richard (GEANT)

Session Classification: Medium term evolution - Network

Contribution ID: 20

Type: **not specified**

WLCG Network Monitoring and Analytics

Tuesday, June 20, 2017 2:50 PM (15 minutes)

We will present on the status and plans for WLCG network monitoring and analytics. The goal is to identify missing requirements from the experiments and sites as well as missing effort to deliver on the requirements.

Presenter: MC KEE, Shawn (University of Michigan (US))

Session Classification: Medium term evolution - Network

Contribution ID: 21

Type: **not specified**

ATLAS Networking Requirements

Tuesday, June 20, 2017 1:50 PM (15 minutes)

ATLAS networking needs for the experiment and the sites.

Presenter: DEWHURST, Alastair (STFC - Rutherford Appleton Lab. (GB))

Session Classification: Medium term evolution - Network

Contribution ID: 22

Type: **not specified**

LHCb Networking Requirements

Tuesday, June 20, 2017 2:35 PM (15 minutes)

LHCb Networking Requirements

Presenter: ROISER, Stefan (CERN)

Session Classification: Medium term evolution - Network

Contribution ID: 23

Type: **not specified**

CMS Networking Requirements

Tuesday, June 20, 2017 2:20 PM (15 minutes)

CMS Networking Requirements

Presenter: WISSING, Christoph (Deutsches Elektronen-Synchrotron (DE))

Session Classification: Medium term evolution - Network

Contribution ID: 24

Type: **not specified**

Network Monitoring and Debugging Discussion

Tuesday, June 20, 2017 3:05 PM (25 minutes)

Discussion of network monitoring and diagnosis

Session Classification: Medium term evolution - Network

Contribution ID: 25

Type: **not specified**

Overview & report from Data Steering Group

Tuesday, June 20, 2017 9:00 AM (15 minutes)

Presenter: KEEBLE, Oliver (CERN)

Session Classification: Medium term evolution - Data

Contribution ID: 26

Type: **not specified**

Discussion

Tuesday, June 20, 2017 9:15 AM (15 minutes)

Session Classification: Medium term evolution - Data

Contribution ID: 27

Type: **not specified**

Storage resource reporting

Tuesday, June 20, 2017 9:30 AM (10 minutes)

Presenter: KEEBLE, Oliver (CERN)

Session Classification: Medium term evolution - Data

Contribution ID: 28

Type: **not specified**

Discussion

Tuesday, June 20, 2017 9:40 AM (20 minutes)

Session Classification: Medium term evolution - Data

Contribution ID: 29

Type: **not specified**

Object stores

Tuesday, June 20, 2017 10:00 AM (10 minutes)

Presenter: DEWHURST, Alastair (STFC - Rutherford Appleton Lab. (GB))

Session Classification: Medium term evolution - Data

Contribution ID: **30**

Type: **not specified**

Discussion

Tuesday, June 20, 2017 10:10 AM (20 minutes)

Session Classification: Medium term evolution - Data

Contribution ID: **31**

Type: **not specified**

Site and storage architecture - diskless sites

Tuesday, June 20, 2017 11:40 AM (10 minutes)

Presenter: VAMVAKOPOULOS, Emmanouil (CC-IN2P3 - Centre de Calcul (FR))

Session Classification: Medium term evolution - Data

Contribution ID: **32**

Type: **not specified**

Discussion

Tuesday, June 20, 2017 11:50 AM (40 minutes)

Session Classification: Medium term evolution - Data

Contribution ID: 33

Type: **not specified**

Site and storage architecture - caches

Tuesday, June 20, 2017 11:20 AM (10 minutes)

Presenter: BOCKELMAN, Brian Paul (University of Nebraska-Lincoln (US))

Session Classification: Medium term evolution - Data

Contribution ID: 34

Type: **not specified**

Site and storage architecture - multi-site storage

Tuesday, June 20, 2017 11:10 AM (10 minutes)

Presenter: MKRTCHYAN, Tigran (DESY)

Session Classification: Medium term evolution - Data

Contribution ID: 35

Type: **not specified**

ALICE Network Requirements

Tuesday, June 20, 2017 2:05 PM (15 minutes)

Author: BETEV, Latchezar (CERN)

Presenter: BETEV, Latchezar (CERN)

Session Classification: Medium term evolution - Network

Contribution ID: **36**

Type: **not specified**

WLCG and IPv6

Wednesday, June 21, 2017 4:00 PM (20 minutes)

Presenters: DEWHURST, Alastair (STFC - Rutherford Appleton Lab. (GB)); SCIABA, Andrea (CERN)

Session Classification: Introduction

Contribution ID: 37

Type: **not specified**

An introduction to IPv6

Wednesday, June 21, 2017 4:20 PM (30 minutes)

Presenter: Mr FROY, Terry (Queen Mary University of London)

Session Classification: Introduction

Contribution ID: **38**

Type: **not specified**

Deploying IPv6

Wednesday, June 21, 2017 4:50 PM (20 minutes)

Presenter: PRELZ, Francesco (Università degli Studi e INFN Milano (IT))

Session Classification: Introduction

Contribution ID: **39**

Type: **not specified**

DHCPv6 at CERN

Wednesday, June 21, 2017 5:10 PM (20 minutes)

Presenter: MARTELLI, Edoardo (CERN)

Session Classification: Introduction

Contribution ID: **40**

Type: **not specified**

Hands-on preparation

Wednesday, June 21, 2017 5:30 PM (30 minutes)

Session Classification: Introduction

Contribution ID: 41

Type: **not specified**

European SKA Regional Centre Compute Model

Monday, June 19, 2017 1:30 PM (20 minutes)

Presenter: SCAIFE, Anna

Session Classification: Medium term evolution - Compute

Contribution ID: 42

Type: **not specified**

Discussion

Monday, June 19, 2017 1:50 PM (10 minutes)

Session Classification: Medium term evolution - Compute

Contribution ID: 43

Type: **not specified**

Review of WLCG experiment compute plans

Monday, June 19, 2017 2:00 PM (25 minutes)

Presenter: CAMPANA, Simone (CERN)

Session Classification: Medium term evolution - Compute

Contribution ID: 44

Type: **not specified**

Discussion

Monday, June 19, 2017 2:25 PM (10 minutes)

Session Classification: Medium term evolution - Compute

Contribution ID: 45

Type: **not specified**

Lightweight sites compute - possible models

Monday, June 19, 2017 2:35 PM (15 minutes)

Presenter: LITMAATH, Maarten (CERN)

Session Classification: Medium term evolution - Compute

Contribution ID: 46

Type: **not specified**

Discussion

Monday, June 19, 2017 2:50 PM (10 minutes)

Session Classification: Medium term evolution - Compute

Contribution ID: 47

Type: **not specified**

Singularity introduction and use in OSG

Monday, June 19, 2017 3:30 PM (20 minutes)

Presenter: BOCKELMAN, Brian Paul (University of Nebraska-Lincoln (US))

Session Classification: Medium term evolution - Compute

Contribution ID: 48

Type: **not specified**

Use of containers at RAL Tier-1

Monday, June 19, 2017 3:50 PM (20 minutes)

Presenter: LAHIFF, Andrew David (STFC - Rutherford Appleton Lab. (GB))

Session Classification: Medium term evolution - Compute

Contribution ID: 49

Type: **not specified**

Discussion

Monday, June 19, 2017 4:10 PM (20 minutes)

Session Classification: Medium term evolution - Compute

Contribution ID: 50

Type: **not specified**

Singularity

Monday, June 19, 2017 4:35 PM (15 minutes)

Author: BRILLAULT, Vincent (CERN)

Presenters: VALSAN, Liviu (CERN); BRILLAULT, Vincent (CERN)

Session Classification: Medium term evolution - Security and trust

Contribution ID: 51

Type: **not specified**

Collaboration between security teams

Monday, June 19, 2017 4:50 PM (20 minutes)

Author: WARTEL, Romain (CERN)

Presenter: WARTEL, Romain (CERN)

Session Classification: Medium term evolution - Security and trust

Contribution ID: 52

Type: **not specified**

Ongoing work

Monday, June 19, 2017 5:10 PM (20 minutes)

Author: VALSAN, Liviu (CERN)

Presenter: VALSAN, Liviu (CERN)

Session Classification: Medium term evolution - Security and trust

Contribution ID: 53

Type: **not specified**

Status report from Benchmarking Working Group

Wednesday, June 21, 2017 11:00 AM (40 minutes)

Presenter: GIORDANO, Domenico (CERN)

Session Classification: Operational tools, benchmarking, accounting, monitoring, etc...

Contribution ID: 54

Type: **not specified**

Benchmarking discussion (with panellists)

Wednesday, June 21, 2017 11:40 AM (50 minutes)

Presenters: FORTI, Alessandra (University of Manchester (GB)); MCNAB, Andrew (University of Manchester); LATCHEZAR, Betev (CERN); FLIX MOLINA, Jose (Centro de Investigaciones Energéticas Medioambientales y Tecno); ALEF, Manfred (Karlsruhe Institute of Technology (KIT))

Session Classification: Operational tools, benchmarking, accounting, monitoring, etc...

Contribution ID: 55

Type: **not specified**

Status, plans of WLCG Unified Monitoring

Wednesday, June 21, 2017 1:30 PM (25 minutes)

Presenter: AIMAR, Alberto (CERN)

Session Classification: Operational tools, benchmarking, accounting, monitoring, etc...

Contribution ID: 56

Type: **not specified**

ElasticSearch Service at CERN

Wednesday, June 21, 2017 1:55 PM (10 minutes)

Presenter: SCHWICKERATH, Ulrich (CERN)

Session Classification: Operational tools, benchmarking, accounting, monitoring, etc...

Contribution ID: 57

Type: **not specified**

Monitoring in Experiments (Summary)

Wednesday, June 21, 2017 2:05 PM (20 minutes)

Presenter: AIMAR, Alberto (CERN)

Session Classification: Operational tools, benchmarking, accounting, monitoring, etc...

Contribution ID: **58**

Type: **not specified**

Q&A

Wednesday, June 21, 2017 2:25 PM (5 minutes)

Session Classification: Operational tools, benchmarking, accounting, monitoring, etc...

Contribution ID: 59

Type: **not specified**

Information System Evolution

Wednesday, June 21, 2017 2:30 PM (15 minutes)

Presenter: ANDREEVA, Julia (CERN)

Session Classification: Operational tools, benchmarking, accounting, monitoring, etc...

Contribution ID: **60**

Type: **not specified**

CRIC

Wednesday, June 21, 2017 2:45 PM (25 minutes)

Presenter: DI GIROLAMO, Alessandro (CERN)

Session Classification: Operational tools, benchmarking, accounting, monitoring, etc...

Contribution ID: **61**

Type: **not specified**

Storage Space Accounting - Introduction

Wednesday, June 21, 2017 3:10 PM (5 minutes)

Presenter: ANDREEVA, Julia (CERN)

Session Classification: Operational tools, benchmarking, accounting, monitoring, etc...

Contribution ID: **62**

Type: **not specified**

Storage Space Accounting - Prototype

Wednesday, June 21, 2017 3:15 PM (15 minutes)

Presenter: Mr CHRISTIDIS, Dimitrios (University of Patras (GR))

Session Classification: Operational tools, benchmarking, accounting, monitoring, etc...

Contribution ID: **63**

Type: **not specified**

Preliminary steps

Thursday, June 22, 2017 9:00 AM (15 minutes)

Presenter: Mr FROY, Terry (Queen Mary University of London)

Session Classification: IPv6 Tutorial

Contribution ID: **64**

Type: **not specified**

Data transfer exercise

Thursday, June 22, 2017 9:15 AM (1 hour)

Presenter: TIGERSTEDT, Ulf Bobson Severin (Helsinki Institute of Physics (FI))

Session Classification: IPv6 Tutorial

Contribution ID: 65

Type: **not specified**

perfSonar exercise (installation)

Thursday, June 22, 2017 10:15 AM (15 minutes)

Presenter: RAND, Duncan (Imperial College (GB))

Session Classification: IPv6 Tutorial

Contribution ID: **66**

Type: **not specified**

Welcome

Monday, June 19, 2017 1:00 PM (5 minutes)

Presenter: SOLDNER-REMBOLD, Stefan (University of Manchester)

Session Classification: Introduction

Contribution ID: 67

Type: **not specified**

Introduction

Monday, June 19, 2017 1:06 PM (24 minutes)

Presenters: BIRD, Ian (CERN); COLLIER, Ian (STFC - Rutherford Appleton Lab. (GB))

Session Classification: Introduction

Contribution ID: **68**Type: **not specified**

Cost Models

Tuesday, June 20, 2017 4:00 PM (30 minutes)

To be able to predict the needs of computing and to understand which type of resources contribute to the overall costs, several models have been developed and are in use. Can we build models based on a common approach between the experiments and to what detail do we need to go? Short presentation followed by a discussion.

Author: FLIX MOLINA, Jose (Centro de Investigaciones Energéticas Medioambientales y Tecno)

Presenter: FLIX MOLINA, Jose (Centro de Investigaciones Energéticas Medioambientales y Tecno)

Session Classification: Efficiency and cost

Contribution ID: 69

Type: **not specified**

Bringing improvements into production

Tuesday, June 20, 2017 4:30 PM (30 minutes)

In our community we often observe a significant latency between the proof of concept of an improvement and the exploitation in production, while we often react to emergencies swiftly. Do we understand the underlying causes and what could be done to benefit more timely from improvements? Short presentation followed by a lively discussion.

Author: ELMSHEUSER, Johannes (Brookhaven National Laboratory (US))

Presenter: ELMSHEUSER, Johannes (Brookhaven National Laboratory (US))

Session Classification: Efficiency and cost

Contribution ID: 70

Type: **not specified**

Exchanging and disseminating knowledge

Tuesday, June 20, 2017 5:00 PM (30 minutes)

In many places, conferences, summer schools, workshops over many years findings on performance and efficiency are presented and techniques and tools are taught. There is a lot of knowledge and experience in our community, however this knowledge is fragmented and often web searches are the way to connect these sources. To achieve the improvements to successfully face the HL-LHC challenges this knowledge needs to be more easily accessible and made usable for contributors at all levels. How can we achieve this? Very short presentation followed by a discussion and hopefully a seed for a plan.

Author: SCHULZ, Markus (CERN)

Presenter: SCHULZ, Markus (CERN)

Session Classification: Efficiency and cost

Contribution ID: 71

Type: **not specified**

Logistic

Monday, June 19, 2017 1:05 PM (1 minute)

Presenter: FORTI, Alessandra (University of Manchester (GB))

Session Classification: Introduction

Contribution ID: 72

Type: **not specified**

Project Leader's report

Wednesday, June 21, 2017 9:30 AM (20 minutes)

Presenter: BIRD, Ian (CERN)

Session Classification: Collaboration board

Contribution ID: 73

Type: **not specified**

Update on HNSciCloud

Wednesday, June 21, 2017 9:50 AM (10 minutes)

Session Classification: Collaboration board

Contribution ID: 74

Type: **not specified**

The Scientific Computing Forum

Wednesday, June 21, 2017 10:00 AM (10 minutes)

Session Classification: Collaboration board

Contribution ID: 75

Type: **not specified**

Relationship with other projects, including SKA

Wednesday, June 21, 2017 10:10 AM (20 minutes)

Session Classification: Collaboration board

Contribution ID: 76

Type: **not specified**

perfSonar exercise (configuration)

Thursday, June 22, 2017 11:00 AM (45 minutes)

Presenter: RAND, Duncan (Imperial College (GB))

Session Classification: IPv6 Tutorial

Contribution ID: 77

Type: **not specified**

squid for Frontier and CVMFS

Thursday, June 22, 2017 11:45 AM (45 minutes)

Presenter: SCIABA, Andrea (CERN)

Session Classification: IPv6 Tutorial

Contribution ID: 78

Type: **not specified**

Security update [slides for all talks]

Monday, June 19, 2017 4:30 PM (5 minutes)

Presenters: VALSAN, Liviu (CERN); WARTEL, Romain (CERN); BRILLAULT, Vincent (CERN)

Session Classification: Medium term evolution - Security and trust