

# The 9th DIRAC Users' Workshop



## Report of Contributions

Contribution ID: 1

Type: **not specified**

## Coffee

Contribution ID: 2

Type: **not specified**

## **Core, Framework, and Configuration system**

*Tuesday, 14 May 2019 11:30 (20 minutes)*

**Presenter:** STAGNI, Federico (CERN)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 3

Type: **not specified**

## **WMS and computing resources**

*Tuesday, 14 May 2019 11:50 (25 minutes)*

**Presenter:** TSAREGORODTSEV, Andrei (CPPM, Aix-Marseille Université, CNRS/IN2P3, Marseille, France)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 4

Type: **not specified**

## Welcome and logistics

*Tuesday, 14 May 2019 10:20 (10 minutes)*

**Presenter:** BAUER, Daniela (Imperial College (GB))

**Session Classification:** Welcome, news, farewell

Contribution ID: 5

Type: **not specified**

## **DIRAC general news**

*Tuesday, 14 May 2019 11:00 (20 minutes)*

**Presenter:** TSAREGORODTSEV, Andrei (CPPM, Aix-Marseille Université, CNRS/IN2P3, Marseille, France)

**Session Classification:** Welcome, news, farewell

Contribution ID: 6

Type: **not specified**

## **Intro + DIRAC in a nutshell**

*Tuesday, 14 May 2019 10:40 (20 minutes)*

**Presenter:** STAGNI, Federico (CERN)

**Session Classification:** Welcome, news, farewell

Contribution ID: 7

Type: **not specified**

## Data Management

**Presenter:** HAEN, Christophe (CERN)

**Session Classification:** DIRAC developments and DevOps



Contribution ID: 8

Type: **not specified**

## **Distributed data management**

(and preparation for tomorrow's tutorial)

**Presenters:** SAILER, Andre (CERN); STAGNI, Federico (CERN)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 9

Type: **not specified**

## Transformation System

*Tuesday, 14 May 2019 14:20 (20 minutes)*

**Presenter:** ARRABITO, Luisa (CC-IN2P3 - Centre de Calcul (FR))

**Session Classification:** DIRAC developments and DevOps

Contribution ID: **10**

Type: **not specified**

## **RMS + RSS + SMS**

*Tuesday, 14 May 2019 15:00 (20 minutes)*

**Presenter:** STAGNI, Federico (CERN)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 11

Type: **not specified**

## **RAW data registration: LHCb**

*Wednesday, 15 May 2019 14:00 (10 minutes)*

**Presenter:** HAEN, Christophe (CERN)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 12

Type: **not specified**

## **RAW data registration: Belle2**

*Wednesday, 15 May 2019 14:10 (10 minutes)*

**Presenter:** HERNANDEZ VILLANUEVA, Michel (University of Mississippi)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: **13**

Type: **not specified**

## **Pilots**

*Wednesday, 15 May 2019 16:15 (25 minutes)*

**Presenter:** KRZEMIEN, Wojciech Jan (National Centre for Nuclear Research (PL))

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 14

Type: **not specified**

## **Matching jobs to computing resources: MPs + GPUs + architectures...**

*Wednesday, 15 May 2019 16:40 (20 minutes)*

**Presenter:** STAGNI, Federico (CERN)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 15

Type: **not specified**

## Opportunistic and HPC resources

**Presenter:** TSAREGORODTSEV, Andrei (CPPM, Aix-Marseille Université, CNRS/IN2P3, Marseille, France)

**Session Classification:** DIRAC developments and DevOps



Contribution ID: **16**

Type: **not specified**

## **DIRACOS**

*Tuesday, 14 May 2019 16:15 (20 minutes)*

**Presenter:** PETRIC, Marko (CERN)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 17

Type: **not specified**

## On installing, upgrading, distributing and running DIRAC

*Tuesday, 14 May 2019 16:35 (25 minutes)*

- > changes to dirac-install
- > DIRACOS
- > MySQL, ElasticSearch, runit, ...
- > Centralized logging
- > CVMFS
- > containers
- > tips on upgrading

**Presenter:** MATHE, Zoltan (CERN)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: **18**

Type: **not specified**

## **Documenting DIRAC and VODIRAC**

*Thursday, 16 May 2019 10:30 (30 minutes)*

**Presenter:** SAILER, Andre (CERN)

Contribution ID: 19

Type: **not specified**

## **Productions Management**

*Tuesday, 14 May 2019 14:40 (20 minutes)*

**Presenter:** ARRABITO, Luisa

**Session Classification:** DIRAC developments and DevOps

Contribution ID: **20**

Type: **not specified**

## **Resource Status System**

**Presenter:** STAGNI, Federico (CERN)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 21

Type: **not specified**

## **Intro to developing in DIRAC**

*Thursday, 16 May 2019 11:30 (30 minutes)*

**Presenter:** STAGNI, Federico (CERN)

Contribution ID: 22

Type: **not specified**

## **On Authentification, AuthoriZation and Single Sign On**

*Thursday, 16 May 2019 09:00 (30 minutes)*

**Presenter:** TSAREGORODTSEV, Andrei (CPPM, Aix-Marseille Université, CNRS/IN2P3, Marseille, France)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: **23**

Type: **not specified**

## **EGI check-in**

**Session Classification:** DIRAC developments and DevOps



Contribution ID: 24

Type: **not specified**

## **SSL and TLS and M2Crypto...**

**Presenter:** HAEN, Christophe (CERN)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 25

Type: **not specified**

## Development plans

**Presenter:** STAGNI, Federico (CERN)

Contribution ID: 26

Type: **not specified**

## **Web, Monitoring and Accounting in DIRAC**

*Tuesday, 14 May 2019 14:00 (20 minutes)*

**Presenter:** MATHE, Zoltan (CERN)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 27

Type: **not specified**

## **Belle2 plans to use Rucio for data management**

*Wednesday, 15 May 2019 14:40 (20 minutes)*

**Presenter:** LAYCOCK, Paul James (Brookhaven National Laboratory (US))

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 28

Type: **not specified**

## **Belle2**

*Thursday, 16 May 2019 12:15 (15 minutes)*

**Presenter:** MIYAKE, Hideki (KEK)

**Session Classification:** Experiments' reports

Contribution ID: 29

Type: **not specified**

## LHCb

*Thursday, 16 May 2019 12:30 (15 minutes)*

**Presenter:** ROMANOVSKIY, Vladimir (Institute for High Energy Physics of NRC Kurchatov Institute (R))

**Session Classification:** Experiments' reports

Contribution ID: **30**

Type: **not specified**

## CTA

*Thursday, 16 May 2019 14:15 (15 minutes)*

**Presenter:** ARRABITO, Luisa

**Session Classification:** Experiments' reports

Contribution ID: 31

Type: **not specified**

## **Multi-VO DIRAC with multi-VO Rucio**

*Wednesday, 15 May 2019 15:00 (20 minutes)*

**Presenter:** ANDREW, Lister

**Session Classification:** DIRAC developments and DevOps



Contribution ID: **32**

Type: **not specified**

## CLIC

*Thursday, 16 May 2019 14:00 (15 minutes)*

**Presenter:** SAILER, Andre (CERN)

**Session Classification:** Experiments' reports

Contribution ID: 33

Type: **not specified**

## **BES3, Juno**

*Thursday, 16 May 2019 14:30 (15 minutes)*

**Presenter:** ZHANG, Xiaomei (Chinese Academy of Sciences (CN))

**Session Classification:** Experiments' reports

Contribution ID: **34**

Type: **not specified**

## **Eiscat 3D**

*Thursday, 16 May 2019 14:45 (15 minutes)*

**Presenter:** ENELL, Carl-Fredrik

**Session Classification:** Experiments' reports

Contribution ID: 35

Type: **not specified**

## Virgo

**Presenter:** CASAJUS RAMO, Adrian (University of Barcelona (ES))

**Session Classification:** Experiments' reports

Contribution ID: **36**

Type: **not specified**

## **DIRAC@PNNL**

*Thursday, 16 May 2019 16:15 (15 minutes)*

**Presenter:** THOMAS, Mathew (PNNL)

**Session Classification:** Experiments' reports

Contribution ID: 37

Type: **not specified**

## Development plans

*Thursday, 16 May 2019 09:30 (30 minutes)*

**Presenter:** STAGNI, Federico (CERN)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: **38**

Type: **not specified**

## **GridPP**

*Thursday, 16 May 2019 12:00 (15 minutes)*

**Presenter:** BAUER, Daniela (Imperial College (GB))

**Session Classification:** Experiments' reports

Contribution ID: **39**

Type: **not specified**

## **JINR**

*Thursday, 16 May 2019 15:00 (15 minutes)*

**Presenter:** PELEVANYUK, Igor (Joint Institute for Nuclear Research (RU))

**Session Classification:** Experiments' reports



Contribution ID: 40

Type: **not specified**

## CNAF services

*Thursday, 16 May 2019 16:45 (15 minutes)*

**Presenter:** VILACA PINHEIRO SOARES, Marcelo (Istituto Nazionale di Fisica Nucleare - INFN - CNAF)

**Session Classification:** Experiments' reports

Contribution ID: 41

Type: **not specified**

## Welcome to London/Imperial

*Tuesday, 14 May 2019 10:30 (10 minutes)*

Welcome by the head of the HEP group

**Presenter:** Prof. DAUNCEY, Paul (Imperial College London)

**Session Classification:** Welcome, news, farewell

Contribution ID: 42

Type: **not specified**

## **Data Management concepts and capabilities**

*Tuesday, 14 May 2019 12:15 (20 minutes)*

**Presenter:** HAEN, Christophe (CERN)

**Session Classification:** DIRAC developments and DevOps

Contribution ID: 43

Type: **not specified**

## Auger

*Thursday, 16 May 2019 16:30 (15 minutes)*

**Presenters:** CHUDOBA, Jiri (Acad. of Sciences of the Czech Rep. (CZ)); CHUDOBA, Jiri (Acad. of Sciences of the Czech Rep. (CZ))

**Session Classification:** Experiments' reports

Contribution ID: 44

Type: **not specified**

## **Tutorial Introduction**

*Wednesday, 15 May 2019 09:00 (20 minutes)*

**Session Classification:** Tutorial: User (and production) Jobs