

# **The Science Cloud –Towards a Research Data Ecosystem for the next Generation of Data-intensive Experiments and Observatories**

## **Report of Contributions**

Contribution ID: 1

Type: **not specified**

# **Are we ready for the next level of Big Data?**

*Sunday, January 12, 2020 8:00 PM (1 hour)*

**Presenter:** KRANZLMÜLLER, Dieter

**Session Classification:** Session 1

Contribution ID: 2

Type: **not specified**

## Lessons from the Sloan Digital Sky Survey

*Monday, January 13, 2020 9:00 AM (45 minutes)*

**Presenter:** SZALAY, Alex

**Session Classification:** Session 2

Contribution ID: 3

Type: **not specified**

## Data pipelines for Euclid

*Monday, January 13, 2020 9:45 AM (45 minutes)*

**Presenter:** KÜMMEL, Martin

**Session Classification:** Session 2

Contribution ID: 4

Type: **not specified**

## **How Big Data missions like LSST drive new models of how we build our systems - and our teams**

*Monday, January 13, 2020 11:00 AM (45 minutes)*

**Presenter:** ECONOMOU, Frossie

**Session Classification:** Session 3

Contribution ID: 5

Type: **not specified**

## **Science Data Centres for Radio Astronomy: from LOFAR to SKA**

*Monday, January 13, 2020 11:45 AM (45 minutes)*

**Presenter:** VAN HAARLEM, Michiel

**Session Classification:** Session 3

Contribution ID: 6

Type: **not specified**

# **The Cherenkov Telescope Array data management mode**

*Monday, January 13, 2020 2:00 PM (45 minutes)*

**Presenters:** FÜSSLING, Matthias; SCHLENSTEDT, Stefan

**Session Classification:** Session 4

Contribution ID: 7

Type: **not specified**

# Handling of Neutrino Telescope Data

*Monday, January 13, 2020 2:45 PM (45 minutes)*

**Presenter:** GRAF, Kay

**Session Classification:** Session 4



Contribution ID: 8

Type: **not specified**

## Computing for HL-LHC

*Monday, January 13, 2020 4:00 PM (45 minutes)*

**Presenter:** GÜLZOW, Volker

**Session Classification:** Session 5

Contribution ID: 9

Type: **not specified**

## **Data Challenges at the European XFEL –1B/s to 10GB/s**

*Monday, January 13, 2020 4:45 PM (45 minutes)*

**Presenter:** HAUF, Steffen

**Session Classification:** Session 5

Contribution ID: **10**

Type: **not specified**

## About the Wilhelm and Else Heraeus Foundation

*Monday, January 13, 2020 6:30 PM (15 minutes)*

**Presenter:** JORDA, Stefan

**Session Classification:** Session 6

Contribution ID: 11

Type: **not specified**

## Witnessing the Convergence of HPC and Data

*Tuesday, January 14, 2020 9:00 AM (45 minutes)*

**Presenters:** IAPICHINO, Luigi; HACHINGER, Stefan

**Session Classification:** Session 7

Contribution ID: 12

Type: **not specified**

## Knowledge Gain in the Age of HPC and Big Data

*Tuesday, January 14, 2020 9:45 AM (45 minutes)*

**Presenter:** PFALZNER, Susanne

**Session Classification:** Session 7

Contribution ID: 13

Type: **not specified**

## Enabling Data-Intensive Computing & the EOSC

*Tuesday, January 14, 2020 11:00 AM (41 minutes)*

**Presenter:** STREIT, Achim (KIT-SCC)

**Session Classification:** Session 8

Contribution ID: 14

Type: **not specified**

# **Bio-inspired Information Processing: The Future of Artificial Intelligence?**

*Tuesday, January 14, 2020 11:41 AM (45 minutes)*

**Presenter:** KOHLSTEDT, Hermann

**Session Classification:** Session 8

Contribution ID: 15

Type: **not specified**

# **IT infrastucture of the futute –Envision the future of Computing !**

*Tuesday, January 14, 2020 2:00 PM (45 minutes)*

**Presenters:** WITTMANN, Ingolf; OBERST, Oliver

**Session Classification:** Session 9



Contribution ID: **16**

Type: **not specified**

## **Advanced data analysis in the era of virtual observatories**

*Wednesday, January 15, 2020 9:00 AM (45 minutes)*

**Presenter:** POLSTERER, Kai

**Session Classification:** Session 10

Contribution ID: 17

Type: **not specified**

## Theoretical simulations

*Wednesday, January 15, 2020 9:45 AM (45 minutes)*

**Presenter:** WALCH-GASSNER, Stefanie

**Session Classification:** Session 10

Contribution ID: **18**

Type: **not specified**

## **Brain inspired computing**

*Wednesday, January 15, 2020 11:00 AM (45 minutes)*

**Presenter:** SCHEMMEL, Johannes

**Session Classification:** Session 11

Contribution ID: **19**

Type: **not specified**

# **The Machine & Memory-Driven Computing**

*Wednesday, January 15, 2020 2:00 PM (45 minutes)*

**Presenter:** BRENNECKE, Martin

**Session Classification:** Session 12

Contribution ID: 20

Type: **not specified**

# Memory-based computing forastronomical applications

*Wednesday, January 15, 2020 2:45 PM (45 minutes)*

**Presenter:** HESSLING, Hermann

**Session Classification:** Session 12

Contribution ID: 21

Type: **not specified**

## Physics and machine learning

*Wednesday, January 15, 2020 4:00 PM (45 minutes)*

**Presenter:** MORIK, Katharina

**Session Classification:** Session 13

Contribution ID: 22

Type: **not specified**

## Summary of the Seminar

*Wednesday, January 15, 2020 3:30 PM (20 minutes)*

**Presenter:** MANNHEIM, Karl (Universitaet Wuerzburg, Germany)

**Session Classification:** Session 12