Session Program

Aug 27 – 31, 2018

GridKa School 2018 – Computing and Science Fair

Plenary

KIT, Campus North, FTU

Mon, August 27

2:00 PM

Plenary
Session | **Location:** FTU, Aula | **Convener:** Manuel Giffels

14:00 – 14:30 Welcome to KIT

Speaker
Achim Streit

Location
FTU, Aula

14:30 – 14:50 Welcome to GridKa School

Speaker
Eileen Kühn

Location
FTU, Aula

14:50 – 15:30 Leading the digital transformation in chemicals

Speaker
Christian Schulz

Location
FTU, Aula

15:30 – 16:00 Coffee Break

16:00 – 16:40 Reliability in Supercomputing – Trends and Challenges

Speaker
Prof. Peter Tröger

Location
FTU, Aula

16:40 – 17:20
Using the Computer as a Wet Lab: From Biomolecular Simulations to Simulating Tissue Development

Speaker
Dr Alexander Schug

Location
FTU, Aula

17:20 – 18:00 Cognitive Computing - (The new AI)
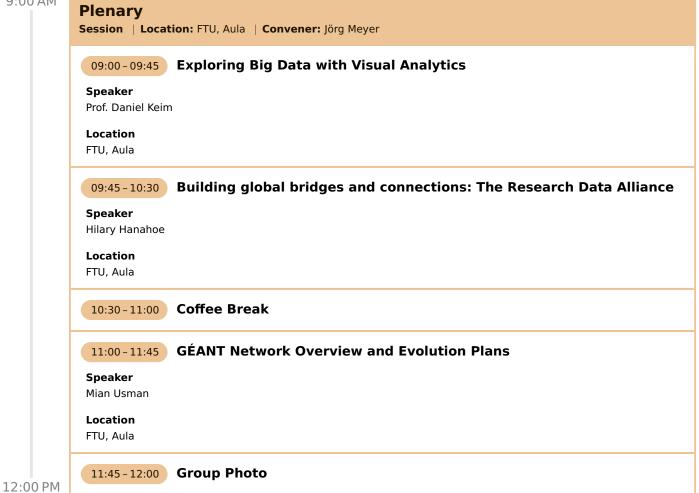
Speaker
Prof. Gordon Pipa

Location
FTU, Aula

6:00 PM

Tue, August 28

9:00 AM

Plenary
Session | **Location:** FTU, Aula | **Convener:** Preslav Konstantinov

09:00 – 09:40 **Cloud Security in the Context of Fog and Edge Computing**

Speaker
Milosch Meriac

Location
FTU, Aula

09:40 – 10:20

ViCE: From desktop to cloud or HPC – Virtualized Research Environments

Speaker
Dirk von Suchodoletz

Location
FTU, Aula

10:20 – 10:40 **Coffee Break**

10:40 – 11:20 **COBalD – Boosting Scientific Workflows with Opportunistic Resources**

Speaker
Dr Max Fischer

Location
FTU, Aula

11:20 – 12:00 **HNSciCloud overview**

Speaker
Paulo Alexandre Canilho

Location
FTU, Aula

12:00 PM

Wed, August 29

9:00 AM

Plenary
Session | **Location:** FTU, Aula | **Convener:** Jörg Meyer

09:00 – 09:45 **Exploring Big Data with Visual Analytics**

Speaker
Prof. Daniel Keim

Location
FTU, Aula

09:45 – 10:30 **Building global bridges and connections: The Research Data Alliance**

Speaker
Hilary Hanahoe

Location
FTU, Aula

10:30 – 11:00 **Coffee Break**

11:00 – 11:45 **GÉANT Network Overview and Evolution Plans**

Speaker
Mian Usman

Location
FTU, Aula

11:45 – 12:00 **Group Photo**

12:00 PM

Thu, August 30

9:00 AM

Plenary
Session | **Location:** FTU, Aula | **Convener:** Max Fischer

09:00 – 09:40
Build-Deploy-Run large scale logging infrastructure for SAP Cloud Platform and Cloud Applications

Speakers
Hariharan Gandhi, Istvan Zoltan Ballok

Location
FTU, Aula

09:40 – 10:20
Six Key Challenge Areas driving innovation in Distributed High Throughput Computing

Speaker
Todd Tannenbaum

Location
FTU, Aula

10:20 – 10:40   **Coffee Break**

10:40 – 11:20   **GPU Programming 101**

Speaker
Dr Andreas Herten

Location
FTU, Aula

11:20 – 12:00   **Quantum Computing and IBM Q: An Introduction**

Speaker
Dr Oliver Oberst

Location
FTU, Aula

12:00 PM

Fri, August 31

9:00 AM

Plenary
Session | **Location:** FTU, Aula | **Convener:** René Caspart

09:00 – 09:40 **Open Science for Big Data**

Speaker
Gareth O'Neill

Location
FTU, Aula

09:40 – 10:20

Fixed-Point and Adaptive Precision Methods for Numerics at Exascale

Speaker
Dr Hartwig Anzt

Location
FTU, Aula

10:20 – 10:40 **Coffee Break**

10:40 – 11:20

Boosting productivity of researches integrating IT services into an interactive analysis platform

Speaker
Dr Danilo Piparo

Location
FTU, Aula

11:20 – 12:00 **Conclusions**

Speaker
Eileen Kühn

Location
FTU, Aula

12:00 PM