

Session Program

August 29, 2016 to September 2, 2016

GridKa
School 2016



Data Science *on*
Modern Architectures

GridKa School 2016 - Data Science on Modern Architectures

Plenary Talks

FTU

Mon, August 29

2:00 PM

Plenary Talks

Session | **Location:** FTU, Aula

14:00 – 14:30 **Welcome to KIT**

Speaker

Prof. Hannes Hartenstein

Location

FTU, Aula

14:30 – 14:50 **Welcome to GridKa School 2016**

Speaker

Dr Manuel Giffels

Location

FTU, Aula

14:50 – 15:30 **Data Science - Past, Present and Future**

Speaker

Prof. John Wood

Location

FTU, Aula

15:30 – 16:00 **Coffee Break**

16:00 – 16:40 **ROOT as a Service - Jupyter Notebook**

Speaker

Dr Lorenzo Moneta

Location

FTU, Aula

16:40 – 17:20 **Data Challenges in Photon Science**

Speaker

Manuela Kuhn

Location

FTU, Aula

17:20 – 18:00 **Data Management in NoSQL Databases**

Speaker

Dr Lena Wiese

Location

FTU, Aula

6:00 PM

Tue, August 30

9:00 AM

Plenary Talks: Plenary Talks

Session | **Location:** FTU

09:00 – 09:40

Technologies to build hybrid clouds on public-private infrastructures

Speaker

Dr Jurry De la Mar

Location

FTU, Aula

09:40 – 10:20

Docker and Linux Containers

Speaker

Elvin Sindrilaru

Location

FTU, Aula

10:20 – 10:40

Coffee Break

10:40 – 11:20

Hitachi Data Systems - Digital Transformation within existing Big Data Environments

Speaker

Krebs Jürgen

Location

FTU, Aula

11:20 – 12:00

Openstack @ CERN

Speaker

Jose Castro Leon

Location

FTU, Aula

12:00 PM

Wed, August 31

9:00 AM

Plenary Talks: Plenary Talks

Session | **Location:** FTU, Aula

09:00 – 09:40

Building HPC Clusters as Code in the [Almost] Infinite Cloud

Speaker

Brendan Bouffler

Location

FTU, Aula

09:40 – 10:20

Introduction to HTCondor

Speaker

Dr Andrew Lahiff

Location

FTU, Aula

10:20 – 10:40

Coffee Break

10:40 – 11:20

HEP Software Foundation

Speaker

Dr Benedikt Hegner

Location

FTU, Aula

11:20 – 12:00

Scientific Computing in Climate Science

Speaker

Prof. Peter Braesicke

Location

FTU, Aula

12:00 PM

Thu, September 1

9:00 AM

Plenary Talks: Plenary Talks

Session | **Location:** FTU, Aula

09:00 – 09:40

Big Data Analytics in Biology: Biomolecular Structure Prediction and Beyond by Tracing Residue Co-Evolution

Speaker

Dr Alexander Schug

Location

FTU, Aula

09:40 – 10:20

GPU Computing: Platform, Programming, and Pitfalls

Speaker

Dr Andreas Herten

Location

FTU, Aula

10:20 – 10:40

Coffee Break

10:40 – 11:20

The computer that could be smarter than us - Cognitive Computing

Speaker

Ingolf Wittmann

Location

FTU, Aula

11:20 – 12:00

HDF5 as a standard file format for synchrotron radiation experiments

Speaker

Dr Eugen Wintersberger

Location

FTU, Aula

12:00 PM

Fri, September 2

9:00 AM

Plenary Talks: Plenary Talks

Session | **Location:** FTU, Aula

09:00 – 09:40

Mesoscale brain modelling in the Human Brain Project

Speaker

Dr Liesbeth Vanherpe

Location

FTU, Aula

09:40 – 10:20

Trends in HPC System Architectures: Towards 'The Machine' and Beyond

Speaker

Dr Frank Baetke

Location

FTU, Aula

10:20 – 10:40

Coffee Break

10:40 – 11:20

Radiomics

Speaker

Dr Klaus Maier-Hein

Location

FTU, Aula

11:20 – 12:00

Conclusions

Speaker

Dr Manuel Giffels

Location

FTU, Aula

12:00 PM