Session Program

Sep 7 – 11, 2015

GridKa School 2015

Big Data Virtualization Modern Programming

GridKa School 2015: Big Data, Virtualization and Modern Programming

Plenary talks

Mon, September 7

2:00 PM

Plenary talks
Session | **Location:** Building 30.22, Gaede HS | **Convener:** Dr Thomas Hartmann

14:00 – 14:30 **Welcome to Karlsruhe Institute of Technology**

Speaker
Prof. Achim Streit (KIT-SCC)

14:30 – 14:45 **GridKa School - Event Overview**

Speaker
Dr Thomas Hartmann

14:45 – 15:30 **Storage Technologies**

Speaker
Dr Paul Millar

15:30 – 16:00 **Coffee Break**

16:00 – 16:45 **IT security in an IPv6 world**

Speaker
Dr David Kelsey

16:45 – 17:30 **From Mars to Earth through Cloud Computing**

Speaker
Dr Jose Luis Vazquez-Poletti

6:50 PM

Tue, September 8

9:00 AM

Plenary talks: Plenary talks
Session | **Location:** Building 30.22, Gaede HS | **Convener:** Mr Max Fischer

09:00 – 09:40	**Data Preservation**

Speaker
Ms Danah Tonne

09:40 – 10:20	**Software-Defined Networking for the Data Center**

Speaker
Dr Peer Hasselmeyer

10:20 – 10:40	**Coffee Break**

10:40 – 11:20	**Digital Transformation, Big Data … and the changing role of IT**

Speaker
Dr Engelbert Quack

11:20 – 12:00	**Shinkansen or why trains can arrive on time**

Speaker
Jürgen Krebs

12:00 PM

Wed, September 9

9:00 AM

Plenary talks
Session | **Location:** Building 30.22, Gaede HS | **Convener:** Mr Peter Kraus

09:00 – 09:40 **Climate simulations**

Speaker
Dr Björn-Martin Sinnhuber

Location
Building 30.22, Gaede HS

09:40 – 10:20 **Linux containers and Docker**

Speaker
Elvin Sindrilaru

Location
Building 30.22, Gaede Hall

10:20 – 10:40 **Coffee Break**

10:40 – 11:20 **ElasticSearch and the ELK stack for monitoring and data analysis**

Speaker
Dr Clemens Düpmeier

Location
Building 30.22, Gaede HS

11:20 – 12:00 **School Photo**

12:00 PM

Thu, September 10

Plenary talks: Plenary talks
Session | **Location:** 30.22, Gaede HS | **Convener:** Parinaz Ameri

09:00 – 09:40 Apache Spark: The next Generation of Hadoop Processing

Speaker
Mr Mirko Kaempf

Location
30.22, Gaede HS

09:40 – 10:20 Technical Computing on OpenPower

Speaker
Dr Oliver Oberst

Location
30.22, Gaede HS

10:20 – 10:40 Coffee Break

10:40 – 11:20

Big data in critical infrastructure: Production and failover infrastructure in DWD's central data management

Speaker
Mr Daniel Lee

Location
30.22, Gaede HS

11:20 – 12:00 Research Data Alliance - Research Data Sharing without barriers

Speaker
Mr Peter Wittenburg

Location
Building 30.22, Gaede hall

Fri, September 11

9:00 AM

Plenary talks: Plenary talks
Session | **Location:** Building 30.22, Gaede HS | **Convener:** Mr Ugur Cayoglu

09:00 – 09:45 **EUDAT - The European Data Infrastructure**

Speaker
Dr Damien Lecarpentier

09:45 – 10:15 **Coffee Break**

10:15 – 11:00

The Icosahedral Nonhydrostatic (ICON) model: Scalability on Massively Parallel Computer Architectures

Speaker
Florian Prill

11:00 – 11:15 **Conclusions**

Speaker
Dr Thomas Hartmann

11:30 AM