

Session Program

Sep 1 - 5, 2014

**GridKa School 2014: Big Data, Cloud
Computing and Modern Programming**

Plenary talks

Mon, September 1

2:00 PM

Plenary talks

Session | **Location:** FTU, Aula

14:00 – 14:15

Welcome to Karlsruhe Institute of Technology

Speaker

Prof. Achim Streit (KIT-SCC)

14:15 – 14:30

GridKa School - Event Overview

Speaker

Dr Pavel Weber (KIT-SCC)

14:30 – 15:30

LHC Computing: towards clouds and agile infrastructures

Speaker

Tim Bell (CERN)

15:30 – 16:00

Coffee Break

16:00 – 17:00

Brain Pathologies and Big Data

Speaker

Prof. Richard Frackowiak (University of Lausanne)

17:00 – 17:40

Evolution of Security Threats and Models

Speaker

Vincent Brillault (CERN)

5:45 PM

Tue, September 2

9:00 AM

Plenary talks: Plenary talks

Session | **Location:** FTU, Aula

09:00 – 09:40

From Milliwatts to PFLOPS - High-Performance and Energy Efficient General Purpose x86 Multi/Many-Core Architecture

Speaker

Dr Michael Klemm (Intel)

09:40 – 10:20

Next Generation of Monitoring - Predictive Analytics

Speaker

Dr Anthony Brew (IBM)

10:20 – 10:50

Coffee Break

10:50 – 11:15

Processing Big Data with modern applications

Speaker

Kathrin Spreyer (inovex GmbH)

11:15 – 11:40

Hadoop in Complex Systems Research

Speaker

Mirko Kämpf (Cloudera)

11:40 – 12:20

Parallel Programming using FastFlow

Speaker

Dr Massimo Torquati (University of Pisa)

12:20 PM

Wed, September 3

9:00 AM

Plenary talks

Session | **Location:** FTU, Aula

09:00 – 09:40

Outlier Detection and Description in Complex Databases

Speaker

Dr Emmanuel Müller (KIT)

09:40 – 10:20

Multi-core Computing in High Energy Physics

Speaker

Dr Benedikt Hegner (CERN)

10:20 – 10:50

Coffee Break

10:50 – 11:30

Can HPCclouds supersede traditional high performance computing?

Speaker

Michael Gienger (University of Stuttgart)

11:30 AM

Thu, September 4

9:00 AM

Plenary talks: Plenary talks

Session | **Location:** FTU, Aula

09:00 – 09:40

Big Data Analytics - Use Cases & Strategy

Speaker

Christian Dornacher (HITACHI DATA SYSTEMS GmbH)

09:40 – 10:20

SAP's Big Data Platform HANA - Technology and Business Innovation

Speaker

Dr Jürgen Hagedorn (SAP)

10:20 AM

Fri, September 5

9:00 AM

Plenary talks: Plenary talks

Session | Location:

09:00 – 09:40

Parallel Programming using the PGAS Approach

Speaker

Karl Furlinger (University of Munich)

09:40 – 10:20

Identity challenges in a Big Data world

Speaker

Dr Paul Millar (DESY)

10:20 – 10:50

Coffee Break

10:50 – 11:50

Cloud computing in Europe for Science and industry. First experience and current trends

Speaker

Dr Fabrizio Gagliardi (University of Catalonia)

12:20 PM