

Session Program

Aug 26 - 30, 2013

GridKa School 2013
Big Data, Clouds and Grids



GridKa School 2013: Big Data, Clouds and Grids

Plenary talks

KIT Campus North, FTU

Mon, August 26

2:00 PM

Plenary talks

Session | **Location:** FTU, Aula

2:00 – 2:05 PM Welcome to Karlsruhe Institute of Technology

Speaker

Prof. Hartmut Schmeck

Location

FTU, Aula

2:05 – 2:20 PM Introduction to the Steinbuch Centre for Computing

Speaker

Prof. Achim Streit

Location

FTU, Aula

2:20 – 2:30 PM GridKa School - Event Overview

Speaker

Dr Pavel Weber

Location

FTU, Aula

2:30 – 3:30 PM Enabling eScience

Speaker

Dr Peter Kunszt

Location

FTU, Aula

3:30 – 4:00 PM Coffee Break

4:00 – 4:40 PM Handling Big Data - an Overview of Mass Storage Technologies

Speaker

Lukasz Janyst

Location

FTU, Aula

4:40 – 5:20 PM Security Challenges in Distributed Environments

Speaker

Leif Nixon

Location

FTU, Aula

5:45 PM

Tue, August 27

9:00 AM

Plenary talks

Session | **Location:** KIT Campus North, FTU, Aula

9:00 - 9:40 AM

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

Speaker

Dr Herbert Cornelius

9:40 - 10:20 AM

Hadoop in Complex Systems Research (A Review on Tools, Best Practices & Applications)

Speaker

Mirko Kämpf

10:20 - 10:50 AM

Coffee Break

10:50 - 11:30 AM

Cloud Computing Patterns - Fundamentals to Design, Build, and Manage Cloud Applications

Speaker

Christoph Fehling

11:30 AM - 12:10 PM

GPU Acceleration Benefits for Scientific Applications

Speaker

Axel Koehler

12:10 PM

Wed, August 28

9:00 AM

Plenary talks

Session | **Location:** KIT Campus North, FTU, Aula

9:00 - 9:40 AM

Smart Microscopy Platforms For Efficient In Vivo Small Molecule Screens

Speaker

Dr Urban Liebel

9:40 - 10:20 AM

Multi-core Computing in High Energy Physics

Speaker

Dr Benedikt Hegner

10:20 - 10:50 AM

Coffee Break

10:50 AM

Thu, August 29

9:00 AM

Plenary talks

Session | **Location:** KIT Campus North, FTU, Aula

9:00 - 9:40 AM **Cloud Computing: Expanding Humanity's Limits to Planet Mars**

Speaker

Dr Jose Luis Vazquez-Poletti

9:40 - 10:20 AM **SmartCloud Technology for a Smarter Planet**

Speaker

Dr Oliver Oberst

10:20 - 10:50 AM **Coffee Break**

10:50 - 11:30 AM **Formation of the Software Defined Data Center**

Speaker

Dr Stefan Radtke

11:30 AM

Fri, August 30

9:00 AM

Plenary talks

Session | **Location:** KIT Campus North, FTU, Aula

9:00 - 9:40 AM **BIG DATA in Science, Best Practices**

Speaker

Dr Steve Aplin

9:40 - 10:20 AM **The Evolution of the Information System in EGI/WLCG**

Speaker

Dr Stephen Burke

10:20 - 10:50 AM **Coffee Break**

10:50 - 11:50 AM

Helix Nebula - the Science Cloud: a public-private partnership building a multidisciplinary cloud platform for data intensive science

Speaker

Dr Bob Jones

11:50 AM - 12:00 PM **Summary and Evolution**

Speaker

Dr Pavel Weber

12:20 PM