

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

14:00 – 14:05

Welcome to Karlsruhe Institute of Technology

Speaker

Prof. Hartmut Schmeck

Location

FTU, Aula

14:05 – 14:20

Introduction to the Steinbuch Centre for Computing

Speaker

Prof. Achim Streit

Location

FTU, Aula

14:20 – 14:30

GridKa School - Event Overview

Speaker

Dr Pavel Weber

Location

FTU, Aula

14:30 – 15:30

Enabling eScience

Speaker

Dr Peter Kunszt

Location

FTU, Aula

15:30 – 16:00

Coffee Break

16:00 – 16:40

Handling Big Data - an Overview of Mass Storage Technologies

Speaker

Lukasz Janyst

Location

FTU, Aula

16:40 – 17:20

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

09:00 – 09:40

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

Speaker

Dr Herbert Cornelius

09:40 – 10:20

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

Speaker

Mirko Kämpf

10:20 – 10:50

Coffee Break

10:50 – 11:30

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

Speaker

Christoph Fehling

11:30 – 12:10

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

09:00 – 09:40

Smart Microscopy Platforms For Efficient In Vivo Small Molecule Screens

Speaker

Dr Urban Liebel

09:40 – 10:20

Multi-core Computing in High Energy Physics

Speaker

Dr Benedikt Hegner

10:20 – 10:50

Coffee Break

10:50 AM

Thu, August 29

9:00 AM

Plenary talks

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

09:00 – 09:40

Cloud Computing: Expanding Humanity's Limits to Planet Mars

Speaker

Dr Jose Luis Vazquez-Poletti

09:40 – 10:20

SmartCloud Technology for a Smarter Planet

Speaker

Dr Oliver Oberst

10:20 – 10:50

Coffee Break

10:50 – 11:30

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

09:00 – 09:40

BIG DATA in Science, Best Practices

Speaker

Dr Steve Aplin

09:40 – 10:20

The Evolution of the Information System in EGI/WLCG

Speaker

Dr Stephen Burke

10:20 – 10:50

Coffee Break

10:50 – 11:50

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

Speaker

Dr Bob Jones

11:50 – 12:00

Summary and Evolution

Speaker

Dr Pavel Weber

12:20 PM