#### **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

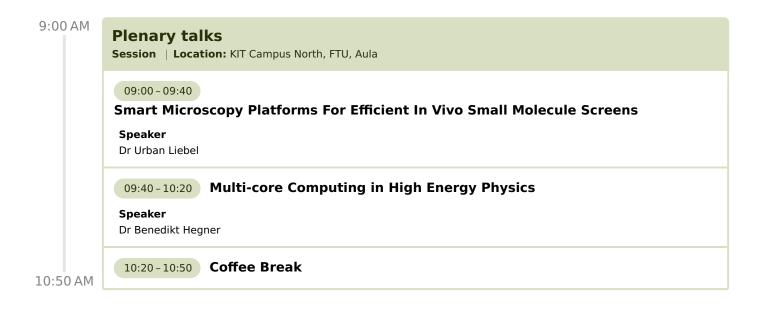
## Mon, August 26

| Plenary tal                          |  |
|--------------------------------------|--|
| 14:00 - 14:05                        | Welcome to Karlsruhe Institute of Technology                 |
| <b>Speaker</b><br>Prof. Hartmut Scł  | imeck  |
| <b>Location</b><br>FTU, Aula         |  |
| 14:05 - 14:20                        | Introduction to the Steinbuch Centre for Computing           |
| <b>Speaker</b><br>Prof. Achim Streit |  |
| <b>Location</b><br>FTU, Aula         |  |
| 14:20 - 14:30                        | GridKa School - Event Overview                               |
| <b>Speaker</b><br>Dr Pavel Weber     |  |
| <b>Location</b><br>FTU, Aula         |  |
| 14:30 - 15:30                        | Enabling eScience  |
| <b>Speaker</b><br>Dr Peter Kunszt    |  |
| <b>Location</b><br>FTU, Aula         |  |
| 15:30 - 16:00                        | Coffee Break   |
| 16:00 - 16:40                        | Handling Big Data - an Overview of Mass Storage Technologies |
| <b>Speaker</b><br>Lukasz Janyst      |  |
| <b>Location</b><br>FTU, Aula         |  |
| 16:40 - 17:20                        | Security Challenges in Distributed Environments              |
| <b>Speaker</b><br>Leif Nixon         |  |
| <b>Location</b><br>FTU, Aula         |  |

## Tue, August 27

| Plenary    |   |
|------------|---|
| Session    | Location: KIT Campus North, FTU, Aula                               |
| 09:00 - 09 | 9:40  |
| From Mi    | lliwatts to PFLOPS - High-Performance and Energy Efficient General  |
| Purpose    | x86 Multi/Many-Core Architecture                                    |
| Speaker    |   |
| Dr Herbert | Cornelius   |
| 09:40 - 10 | 0:20  |
|            | in Complex Systems Research ( A Review on Tools, Best Practices &   |
| Applicat   |   |
| Speaker    |   |
| Mirko Käm  | pf  |
| 10:20 - 10 | Coffee Break  |
| 10:50 - 12 | 1:30  |
| Cloud Co   | omputing Patterns - Fundamentals to Design, Build, and Manage Cloue |
| Applicat   | ions  |
| Speaker    |   |
| Christoph  | Fehling   |
| 11:30 - 12 | GPU Acceleration Benefits for Scientific Applications               |
| Speaker    |   |
| Axel Koehl | er  |

### Wed, August 28



### Thu, August 29



## Fri, August 30

| 9:00 AM  | Plenary talks<br>Session   Location: KIT Campus North, FTU, Aula  |  |  |
|----------|---|--|--|
|          | 09:00-09:40 BIG DATA in Science, Best Practices<br>Speaker<br>Dr Steve Aplin  |  |  |
|          | 09:40-10:20 The Evolution of the Information System in EGI/WLCG   |  |  |
|          | <b>Speaker</b><br>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   |  |  |
| 12:20 PM | Dr Pavel Weber  |  |  |