



# GridKa School 2013: Big Data, Clouds and Grids

## Monday, August 26, 2013

### Plenary talks (2:00 PM - 5:45 PM)

time	[id] title	presenter
2:00 PM	[7] Welcome to Karlsruhe Institute of Technology	Prof. SCHMECK, Hartmut
2:05 PM	[36] Introduction to the Steinbuch Centre for Computing	Prof. STREIT, Achim
2:20 PM	[8] GridKa School - Event Overview	Dr WEBER, Pavel
2:30 PM	[6] Enabling eScience	Dr KUNSZT, Peter
3:30 PM	Coffee Break	
4:00 PM	[5] Handling Big Data - an Overview of Mass Storage Technologies	JANYST, Lukasz
4:40 PM	[9] Security Challenges in Distributed Environments	NIXON, Leif

# Tuesday, August 27, 2013

## Plenary talks - Aula (9:00 AM - 12:10 PM)

time	[id] title	presenter
9:00 AM	[10] From Milliwatts to PFLOPS - High-Performance and Energy Efficient General Purpose x86 Multi/Many-Core Architecture	Dr CORNELIUS, Herbert
9:40 AM	[11] Hadoop in Complex Systems Research ( A Review on Tools, Best Practices & Applications )	KÄMPF, Mirko
10:20 AM	Coffee Break	
10:50 AM	[12] Cloud Computing Patterns – Fundamentals to Design, Build, and Manage Cloud Applications	FEHLING, Christoph
11:30 AM	[13] GPU Acceleration Benefits for Scientific Applications	KOEHLER, Axel

# Wednesday, August 28, 2013

## Plenary talks - Aula (9:00 AM - 10:50 AM)

time	[id] title	presenter
9:00 AM	[14] Smart Microscopy Platforms For Efficient In Vivo Small Molecule Screens	Dr LIEBEL, Urban
9:40 AM	[15] Multi-core Computing in High Energy Physics	Dr HEGNER, Benedikt
10:20 AM	Coffee Break	

# Thursday, August 29, 2013

## Plenary talks - Aula (9:00 AM - 11:30 AM)

time	[id] title	presenter
9:00 AM	[2] Cloud Computing: Expanding Humanity's Limits to Planet Mars	Dr VAZQUEZ-POLETTI, Jose Luis
9:40 AM	[16] SmartCloud Technology for a Smarter Planet	Dr OBERST, Oliver
10:20 AM	Coffee Break	
10:50 AM	[17] Formation of the Software Defined Data Center	Dr RADTKE, Stefan

# Friday, August 30, 2013

## Plenary talks - Aula (9:00 AM - 12:20 PM)

time	[id] title	presenter
9:00 AM	[20] BIG DATA in Science, Best Practices	Dr APLIN, Steve
9:40 AM	[18] The Evolution of the Information System in EGI/WLCG	Dr BURKE, Stephen
10:20 AM	Coffee Break	
10:50 AM	[19] Helix Nebula – the Science Cloud: a public-private partnership building a multidisciplinary cloud platform for data intensive science	Dr JONES, Bob
11:50 AM	[21] Summary and Evolution	Dr WEBER, Pavel