

**Sino-German Forum on " Cloud based High Performance Computing"
Shanghai, China
September 26-30, 2011**

26.09.2011 Arrival / Registration

27.09.2011 Day 1

28.09.2011 Day 2

29.09.2011 Day 3

30.09.2011 Social Events: Scientific Visiting and Lab Tours

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2011 9 27 ()

09:00-09:30

09:30-10:30

Prof. Dr. Christoph MEINEL, -

“ VMs Core-location Rescheduling Policy in Multi-Core Systems for Energy and Performance Management”

“ GPU in HPC and cloud computing”

10:30-11:30

10:45-12:15 1: 2

Prof. Dr.-Ing. Dr. h.c. Dr. h.c. Michael Resch

“Know-How Transfer in Supercomputing – How Industry and Research can Cooperate”

“ Pervasive computing and cloud computing“

12:15-14:00

14:00-15:30 2: 3

Prof. Dr. Robert Hirschfeld, -

“ Lively Kernel - A Self-supporting System on a Web Page”

“Resource management in cloud environment”

Prof. Dr. Felix Wolf
Performance Engineering in the Development of HPC Applications

15:30-16:00

16:00-17:30 3: 3

“Dependability in cloud computing”

Prof. Dr. Andreas Polze, -
“Towards Predictable Cloud Computing”

“Reliability testing in cloud computing”

17:30-20:00

2011 9 28 ()

09:00-10:30 4: 3

Prof. Dr. Rudolf Lohner,
Managing Heterogeneity in Cloud Computing by Virtualization

virtualization in cloud computing

Dr. Peter Tröger, -
“The Good, the Bad, and the Ugly - Cloud Standardization”

10:30-11:00

11:00-12:00 5: 2

Dr. Matthias Korch
Scalability and Adaptivity by Task-based Approaches in High-Performance
Computing

“Programming with MPI on TOC”

12:00-14:00

14:00-15:30 6: 3

Prof. Dr. Luigi Lo Iacono Brühl
Security Prospects through Cloud Computing by Adopting Multiple Clouds

“Security in cloud computing”

Dr. Feng Cheng, -

Creating High Performance Security Lab Cloud by Text-based Scenario Specification

15:30-16:00

16:00-17:30 7: 3

Prof. Dr. Alexander Zeier, -

“High Performance In-Memory Cloud Services”

“A leasing instance based billing model for cloud computing”

Challenges of Mega Data Centers.

17:30-20:00

2011 9 29 ()

09:00-10:30 8: 3

Prof. Dr. Jörg Nolte

From Multicore to Manycore Architectures: Current Trends and Operating System

Issues

From grid computing to cloud computing

Prof. Dr. Frank Bellosa

“The Impact of the Operating System on Power and Performance”

10:30-11:00

11:00-12:30 9: 3

Prof. Dr. Dr.-Ing. habil. Arndt Bode,

“High Performance Computing with SuperMUC as a Contribution for PRACE”

Resource management in cloud computing

High performance computing in medicine

12:30-14:00

14:00-15:30 10: 3

State-of-the-Art Analysis and Perspectives of China HPC Development: A
View from 2010 HPC TOP100

Prof. Dr. Dieter Kranzlmüller

“Grids, Clouds, and e-Infrastructures: New Challenges for IT management”

Some HPC Applications in Shanghai Supercomputer Center

15:30-16:30

16:30-17:00

17:00-22:00

2011 9 30 ()

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