

The workshop consists of 12 scientific sessions and several social events.

We will have 30 high-quality scientific talks from both German and Chinese invited speakers. Each talk will be 30 minutes (including both presentation and Q&A).

October 21, 2012 (Sunday)

Arrival

Avendi Hotel am Griebnitzsee

October 22, 2012 (Monday)

Registration

09:00-10:30 Opening Session (2 Talks)

Moderator: Prof. Dr. Christoph Meinel

Welcome and Greeting Notes

Prof. Dr. Christoph MEINEL

Director, Hasso Plattner Institute, Germany

Prof. Wu ZHANG, PhD

Executive Dean, School of Computer Science and Engineering, Shanghai University, China

Prof. Dr. Christoph MEINEL

Hasso Plattner Institute, Potsdam, Germany

“Trusted Cloud: Innovative, Secure and Legally Compliant Cloud Computing Solutions”

Prof. Wu ZHANG, PhD

School of Computer Science and Engineering, Shanghai University, Shanghai, China

“Parallel Solver for Large Scale Sparse Linear Systems”



上海大学
Shanghai University



10:30-11:00 Coffee Break

11:00-12:00 Session 1: 2 Talks

Chair: Prof. Wu ZHANG, PhD

Prof. Dr.-Ing. Dr. h.c. Dr. h.c. Michael RESCH
University of Stuttgart/HLRS, Germany
“HPC and Clouds - How do We Proceed?”

Prof. Depei QIAN

Beijing University of Aeronautics and
Astronautics, Beijing, China
“HPC and e-Infrastructure Development in
China’s High-tech R&D Program”

12:00-13:30 Lunch Break

13:30-15:00 Session 2: 3 Talks

Chair: Prof. Dr. Michael RESCH

Prof. Dr. Wolfgang NAGEL
Technical University Dresden, Germany
“From Grid to Cloud to HPC: What are the
Challenges, and Why do We Have to do
Something?”

Prof. Guihai CHEN, PhD

Shanghai Jiao Tong University, Shanghai, China
“Cloud, HPC and Internet-of-Things”

Prof. Dr. Holger KARL

University of Paderborn/PC2, Paderborn,
Germany
“Form Clouds to Mist: Bringing Clouds Closer to
the End User”

15:00-15:30 Coffee Break

15:30-17:00 Session 3: 3 Talks

Chair: Prof. Guihai CHEN, PhD

Assoc. Prof. Junjie PENG, PhD
Shanghai University, China
“A Cloud Resource Deployment Model based on
Prediction”

Dr. Peter TROEGER

Hasso Plattner Institute, Potsdam, Germany
“Reliability Modelling for Cloud Environments”

Prof. Huiqun YU, PhD

East China University of Science and Technology,
Shanghai, China
“A Formal Method for Fault Tolerant Service
Composition in the Cloud Environment”

17:00-20:30 Reception (HPI Main Building)

Project Presentations
Dinner

October 23, 2012 (Tuesday)

09:00-10:30 Session 4: 3 Talks

Chair: Prof. Huiqun ZHOU, PhD

Dr. Jürgen MÜLLER

Hasso Plattner Institute, Potsdam, Germany

“In-Memory Data Management”

Prof. Naijie GU, PhD

University of Science and Technology of China (USTC), Hefei, China

“Foundation Library Optimization for High-performance Computing”

Prof. Dr. Joerg NOLTE

BTU Cottbus, Germany

“Flexible Sharing and Replication Mechanisms for Hybrid Memory Architectures”

10:30-11:00 Coffee Break

11:00-12:30 Session 5: 3 Talks

Chair: Prof. Dr. Joerg NOLTE

Prof. Hai JIN, PhD

Huazhong University of Science and Technology (HUST), Wuhan, China

“Challenges and Practice of Cloud Security”

Assoc. Prof. Quan QIAN, PhD

Shanghai University, China

“P2P Botnet Propagation Modeling and Detection”

Dr. Feng Cheng

Hasso Plattner Institute, Potsdam, Germany

“Towards a Cloud-based High Performance Security Lab Generator”

12:30-13:30 Lunch Break

13:30-15:00 Session 6: 3 Talks

Chair: Prof. Dr. Andreas POLZE

Prof. Xin WANG, PhD

Fudan University, Shanghai, China

“Time-efficient Caching and Regeneration Scheme for Distributed Storage Systems”

Prof. Dr. Thomas RAUBER/Dr. Matthias KORCH

University of Bayreuth, Bayreuth, Germany

“Experiments with Basic ODE Solver on GPU”

Prof. Dr. Yanbo HAN

Chinese Academy of Sciences, Institute of Computing / North China University of Technology, Beijing, China

“The DeCloud Data Service Framework Facilitating Service-and-Cloud-Based Data Integration”

15:00-15:30 Coffee Break



上海大学
Shanghai University



October 24, 2012 (Wednesday)

15:30-17:00 Session 7: 3 Talks

Chair: Prof. Dr. Yanbo HAN

Prof. Huiqun ZHOU, PhD
Nanjing University, China
"HPC as a Probe to the Earth"

Prof. Dr. Andreas POLZE
Hasso Plattner Institute, Potsdam, Germany
"InstantLab 2.0 - A Platform for Operating System
Experiments on Public Cloud Infrastructure"

Assoc. Prof. Jiang XIE, PhD
Shanghai University, China
"Data Management and Applications on a Cloud
Platform CPSE-Bio"

17:30-20:00

Dinner (HPI Lecture Hall Building)

09:00-10:30 Session 8: 3 Talks

Chair: Prof. Dr. Felix WOLF

Prof. Dr. Dieter KRANZLMUELLER
Ludwig-Maximilians-University Munich/LRZ,
Munich, Germany
"SuperMUC-PetaScaleHPC at the Leibniz
Supercomputing Centre (LRZ)"

Prof. Baogang WEI, PhD
Zhejiang University, Hangzhou, China
"Data Management in Digital Library"

Prof. Dr. Alexander REINEFELD
Zuse Institute Berlin (ZIB)/ Humboldt University
in Berlin, Germany
"HLRN: North-German Supercomputing Alliance"

10:30-11:00 Coffee Break

11:00-12:30 Session 9: 3 Talks

Chair: Prof. Depei QIAN

Prof. Dr. Felix WOLF
RWTH Aachen/JSC, Aachen, Germany
"Holistic Performance Analysis of Applications
and Systems"

Prof. Yi JIN, PhD
Shanghai University, China
"Structured Data Computer"

Prof. Dr. Robert HIRSCHFELD/Diplom.-Ing. Jens
LINCKE
Hasso Plattner Institute, Potsdam, Germany
"Programming in the Cloud – Context-oriented
Programming for Self-supporting Development
Environments"

12:30-13:30 Lunch

13:30-14:30 Session 10: 2 Talks

Chair: Prof. Dr. Alexander REINEFELD

Dr. Jie TAO
Karlsruher Institute of Technology/SCC,
Karlsruhe, Germany
"Data-intensive Exascale Computing"

Prof. Baocai YIN, PhD
Beijing University of Technology, China
"Data Gathering in Wireless Sensor Networks
through Intelligent Compressive Sensing"

14:30-15:00 Closing Speech

Prof. Miaogen ZHAO
Vice Director, Sino-German Center for Science
Foundation, Beijing, China

15:15-21:00 Boat Trip and Conference Dinner

15:15 Gather-Together at the Hotel Griebnitzsee
17:00 Guided Tour at Schloss Cecilienhof
18:00 Conference Dinner at Cecilienhof



上海大学
Shanghai University



October 25, 2012 (Thursday)

Social Events

09:30 Lab Tour at HPI

12:30 Lunch (Ulf's Cafeteria at HPI ABC Building)

14:30 The 10 Years' Anniversary Celebration of HPI-BJUT joint Project "Internet-Bridge: Germany and China" (With Dr. Guido WESTERWELLE, German Federal Minister for Foreign Affairs)

18:00-21:00 Celebration Gala Dinner at China Club in Berlin

October 26, 2012 (Friday)

Departure

The Workshop is co-organized by:

Hasso Plattner Insitute, Germany
Shanghai University, China



and sponsored by:

Sino-German Center for Science Foundation (CDZ,
Chinesisch-Deutsches Zentrum für Wissenschaftsförderung)

