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

Prof. Wu ZHANG, PhD
School of Computer Science and Engineering, Shanghai University, Shanghai, China
“Parallel Solver for Large Scale Sparse Linear Systems”
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

Sino-German Workshop on Cloud-based High Performance Computing
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”

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”

15:00-15:30 Coffee Break
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 Centor 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
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:
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