



# Agenda

## 40<sup>th</sup> IDC HPC User Forum

### Hosted By The Beijing Computing Center

#### October 30, 2010 -- Beijing China

**Meeting Location:** China National Convention Center, No. 7 East Tianchen Road,  
Chaoyang District, Beijing 100105 China

**Meeting Time:** 8:30am to 5:30pm

- 8:30am Welcome and Introductions
- Welcome by: Chinese government officials
  - Welcome by our host: The Beijing Computing Center
  - IDC welcome and HPC User Forum background: Vernon Turner, Earl Joseph and Steve Conway
  - IDC HPC Market Overview: Jie Wu and Earl Joseph
- 9:00am HPC User Site Updates
- China Top 100 and the new ranking, Dr. Yunquan Zhang, Chinese Academy of Science, Chair of China Top 100 (20 minutes)
  - HPC computing at BCC, Dr. Yu Zeng, Vice Chair, Beijing Computing Center (20 minutes)
  - Boeing HPC site update: Key research areas, HPC computers used and what they would like to see improved in HPC (20 minutes)
  - Vendor technical updates: Microsoft (15 minutes), Intel (15 minutes)
- 10:30am 30 minute break
- 11:00am HPC User Site Updates
- HPC in Chemical Processing, Dr. Wei Ge, Chinese Academy of Science, Director, Institute of Process Engineering (20 minutes)
  - NASA HPC site update: Key research areas, HPC computers used and what they would like to see improved in HPC (20 minutes)
  - HPC in Oil exploration, challenges and opportunities, Mr. Nenghe Lai, Chief Engineer, China Petroleum (20 minutes)
  - New Ideas for Exascale File Systems, Peter Braam (15 minutes)
  - New Developments at Inspur (15 minutes)
- 12:30pm Lunch Break
- 1:30pm HPC In Industry
- NCSA Approaches to Industrial Outreach (20 minutes)
  - OSC Approaches to Industrial Outreach (20 minutes)
- 2:10pm NCI HPC site update: Key research areas, HPC computers used and what they would like to see improved in HPC (20 minutes)
- 2:30pm HPC Cloud Panel Discussions
- Panel on Grid and Cloud computing: 3-4 China sites, 3 US/EU sites (KAUST, NASA, Penn State, NSF) and vendors (1 hour)
- 3:30pm 30 minute break
- 4:00pm High End Directions Panel
- Panel on petascale/exascale directions and the use of hybrid systems/ alternative processors: 3-4 China sites, 3-4 US/EU sites (NSF, HLRS, NCSA, NCI, CUNY) (1 hour)
- 5:15pm Meeting wrap-up with the need for worldwide cooperation to advance HPC