

First Europe - China HPC Conference

Partnership for Supercomputing Applications in Science and Industry

Grand Hotel Sofia, Sofia, Bulgaria, 8-10 April 2013

DAY 1		
TIME	TOPIC	SPEAKER
8:30– 9:30	Registration & Coffee	
9:30	Conference Opening	
9:30	Opening Address	Prof. Stoyan Markov - <i>Chairman of the Management Board of NCSA-BG</i>
9:40	Welcome Address	Acad. Stefan Vodenicharov - <i>President of Bulgarian Academy of Sciences</i>
10:00	Opening Address by PRACE: HPC in Europe - Today and Future Challenges	Ms. Catherine Rivière – <i>Chair of PRACE Council and CEO of GENCI, France</i>
10:30	Welcome Message from China Contemporary HPC in China and Future Perspectives	Prof. Yutong Lu – <i>School of Computing Science, National University of Defence Technology, China</i>
11:10	Supercomputing support of the Research and Innovation in the Automotive Industry	Prof. Michael Resch - <i>Director of the High Performance Computing Centre, Stuttgart Director of the Institute for High Performance Computing, University of Stuttgart, Germany</i>
12:00 – Lunch		
12:30	Press Conference	Invited Representatives from media (TV and newspapers)
14:00	Progress of Application on TH-1A and EU- China HPC Strategic Collaboration	Prof. Guangming Liu - <i>Director of National Supercomputer Centre – Tianjin, China</i>
14:40	Computational Science Challenges	Prof. Thomas Lippert - <i>Head of the Jülich Supercomputing Centre, Director of Advanced Simulation Institute, Forschungszentrum Jülich, Germany</i>
15:20	The Scientific Case for HPC In Europe	Prof. Kenneth Ruud - <i>Chairman of the PRACE Scientific Steering Committee, University of Tromsø, Norway</i>
16:00 – Coffee break		
16:30	A holistic approach to energy efficient supercomputing: experiences at the Leibniz	Prof. Arndt Bode – <i>Director of Leibniz</i>

	Supercomputing Centre	<i>Supercomputing Centre, Germany</i>
17:10	SCC Try to enter the international community - the commonness and the difference	Prof. Zili Xi - Director of the Shanghai Supercomputer Center, China
20:00	Official Dinner	Grand Hotel Sofia
DAY 2		
TIME	TOPIC	SPEAKER
09:00	Killer-mobiles: the way towards energy efficient High Performance Computers?	Prof. Mateo Valero - Director of Barcelona Supercomputing Centre, Spain
09:40	SCC-Computing: Bridging the Gap Between Europe and China	Prof. Jianmin Jiang - University of Surrey, UK
10:10	Scientific Computing at the STFC Hartree Centre	Dr. Mike Ashworth - Head of Technology Division, Scientific Computing Department, Science & Technology Facilities Council, Daresbury Laboratory, UK
10:50	Supercomputing support of the researches and education	Prof. Svetozar Margenov - National Centre for Supercomputing Applications, Bulgaria
11:30	CINECA experience in High Energy efficiency co-design process for HPC systems	Dr. Sanzio Bassini - Director of Department, CINECA, Italy
12:10 Lunch		
13:00	Prof. Chunming Rong - Head of Center for IP-based Service Innovation, University of Stavanger Big Data and Cloud Computing	Round Table Prof. Thomas Lippert <i>Discussion on Supercomputing Applications – possible fields for collaborations between Supercomputing Centres, Universities and Laboratories Europe and China</i> <i>Starting by Dr. Panos Tsarchopoulos, Project Officer of SCC Supercomputing</i>
13:40	Ms. Xu Guo - Applications Consultant, EPCC, University of Edinburgh, UK EPCC Working in Partnership	
14:20	Mr. Marco Baity Jesi - Universidad Complutense de Madrid, Spain Spin Glasses on Multi-GPUs	
15:00 Coffee		
15:30	INSPUR and HPC	Mr. Dong Zhang - Executive Vice President of INSPUR Group Co. Ltd, China

16:10	New Algorithms for a Parallel Future - How to Find New Directions of Parallelism	Prof. Rolf Krause - Director of the Institute of Computational Science, Università della Svizzera Italiana, Lugano. Switzerland
16:50	HPC Software development at SCD	Dr. Ilian Todorov – Senior Scientific Officer, Science & Technology Facilities Council, Daresbury Laboratory, Sci-Tech Daresbury SCD, UK
17:30	Rational approaches to Chemistry and Biology using HPC	Prof. Hans Ågren - Department of Theoretical Chemistry Royal Institute of Technology, Sweden
18:20 End of Day 2		
20:00	Dinner	
DAY 3		
TIME	TOPIC	SPEAKER
09:00	The introduction of HPC in China and the life cycle of supercomputing centre	Dr. Qing Ji - Chief Scientist of HPC application, National Supercomputer Center in Tianjin, INSPUR Electronic Information Industry Co., Ltd, China
09:40	Optimized Execution Unit Management through Hardware Thread Scheduling on SMT-based Multicores	Prof. Walter Binder - Faculty of Informatics, University of Lugano, Switzerland
10:20	Astronomical applications on HPC and Cloud	Dr. Ce Yu - School of Computer Science and Technology, Tianjin University, China
11:00	HPC center and vision of delivering Cloud & HPC services to SMEs	Mr. Tomi Ilijas - CEO ARCTUR, Slovenia
11:45	Closing of the Conference	Prof. Stoyan Markov - Chairman of the Management Board of NCSA-BG