

Program Co-Chairs' Message

Welcome to Beijing and to HPC-Asia 2005. Since the year 2005 is the 60th anniversary of the invention of modern computer, HPC-Asia 2005 is held in conjunction with Computer Innovation 6016, an event to reflect on the most significant milestones and innovations of our profession in the past 60 years, and to forecast/discuss the trends in the next 16 years. We would like to pay special thanks to our invited speakers, who share their thoughts and visions on the past and future of HPC.

The HPC-Asia 2005 Program Committee has received 203 submissions from over 18 countries and regions. The papers are peer-reviewed by Program Committee members and external reviewers. Each paper has at least two reviews. 50 were accepted as regular papers and 35 as short papers. The papers cover a wide range of topics related to high performance computing, such as system architecture and models, system software, algorithms, various types of applications, performance evaluation and Grid computing.

We bring you the conference proceedings, including papers for the main technical program and also a collection of 10 papers from Workshop of Bioinformatics and Computational Biology. This workshop is held as mini-symposiums of HPC-Asia 2005 and Computer Innovation 6016. The review process of this workshop was handled by the workshop program committee co-chaired by Dr. Jun Wang and Dr. Jinbo Xu.

We would like to thank all the Program Committee members, Workshop Chairs, and external reviewers for helping select the papers. We are grateful to David Kahaner and the Steering Committee for their help and suggestions. One special suggestion from the Steering Committee for this year was that HPC-Asia 2005 should try to encourage submissions from Asian countries and regions. Special tributes are due to Zhiwei Xu, who devoted much effort in coordinating submissions from Asia. Special thanks are due to Thomas Baldwin and Danielle Martin for helping produce the conference proceedings. Finally, we would like to thank Wen Gao, Bo Song and Yuan Ruan who devoted much time and weekends on providing online submission and review system, answering letters and emails, maintaining the conference webpage, and helping prepare the conference program. It is indeed a pleasure to work with them.

Enjoy the conference, and enjoy your stay in Beijing.

Program Committee Co-Chairs
Jianping Fan (ICT, China)
Jysoo Lee (KISTI, Korea)