Welcome to PAAP 2014, the sixth International Symposium on Parallel Architectures, Algorithms and Programming, that is held in Beijing, China, during July 13-15, 2014. I am glad to see that over the past years PAAP has become a major forum for scientists, engineers, and practitioners throughout the world to present the latest research results, ideas, developments and applications in all areas of parallel and distributed computing.

This year we received 98 submissions from 12 different countries and regions across the world. Out of these submissions, we have accepted 37 regular papers and 13 short papers. This represents an acceptance rate of 37.8% for regular papers and 13.3% for short papers. The submissions are in general of high quality, making paper selection a tough task. The paper review process involved all Program Committee members and 8 external reviewers. To ensure a high-quality program and provide sufficient feedback to authors, we made great effort to have each paper reviewed by 3 independent reviewers on average. All accepted papers are included in the proceedings.

The technical program of the conference contains 5 keynote speeches and 11 parallel sessions covering parallel algorithms, interconnection networks, high performance systems, big data processing, parallel databases and data mining, media computing, privacy and security, task scheduling. In addition, we also have one specialized workshop on High-Performance Computing for Big Data.

First of all, I would like to thank Guoliang Chen from Shenzhen University/Univ. of Sci. & Tech. of China, Wei Zhao from University of Macau, Rajkumar Buyya from University of Melbourne, Jiannong Chao from Hong Kong Polytechnic University, Ajay Gupta from Western Michigan University who kindly accepted my invitation to deliver keynote speeches and helped attain the objectives of the conference. I would also like to thank the general chairs, Guoliang Chen and Rajkumar Buyya, for their support to the conference, the program vice chairs, Jiannong Cao, Ajay Gupta, James J. Park, Yao Zhao and Si Qing Zheng, for their help in conducting the paper review process, all PC members, external reviewers, and the workshop organizers for their hard work in the review process. Last but not the least, I am much indebted to the dedicated team in Beijing Jiaotong University, particularly to Yingpeng Sang, Yidong Li, Jun Wu, Hui Tian, Ping He, Wenhao Shu, Xiaofan Zhao, Ke Ji and Qinghai Liu, for the effective work in taking care of all local organization duties.

Finally, I wish to thank all authors for submitting their up-to-date research results to the conference, and all participants for attending the conference. I hope all participants will find the conference rewarding and the time in Beijing enjoyable.

Hong Shen
PAAP 2014 Program Committee Chair