Welcome to PAAP 2015, the Seventh International Symposium on Parallel Architectures, Algorithms, and Programming, which is being held in Nanjing, China, during December 12–14, 2015. 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 102 submissions from nine different countries and regions across the world. Out of these submissions, we accepted 40 regular papers for IEEE proceedings and 11 outstanding papers for journals indexed by SCI. This represents an acceptance rate of 39.2% for regular papers and 10.8% for outstanding papers. The submissions are in general of high quality, making paper selection a tough task. The paper review process involved most Program Committee members and 13 external reviewers. To ensure a high-quality program and provide sufficient feedback to authors, we made a great effort to have each paper reviewed by two or three independent reviewers on average. All accepted regular papers and part of the outstanding papers are included in the proceedings.

The technical program of the conference contains six keynote speeches and six parallel sessions covering parallel architectures, parallel programming, parallel algorithms, high-performance systems, cloud computing and big data, and privacy and security.

First of all, I would like to thank Guoliang Chen from Shenzhen University/University of Science & Technology of China, Teofilo Gonzalez from the University of California, Ajay Gupta from Western Michigan University, Manu Malek from Stevens Institute of Technology, Benjamin Wah from The Chinese University of Hong Kong, and Lionel M. Ni from the University of Macau 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, Teofilo Gonzalez and Yan Xiaohong, for their support to the conference; the program co-chairs, Ajay Gupta, Si Qing Zheng, Albert Zomaya, Benjamin Wah, Lionel M. Ni, and Danwei Chen, for their help in conducting the paper review process; and all PC members, external reviewers, and workshop organizers for their hard work in the review process. Last but not the least, I am much indebted to the dedicated team at Nanjing University of Posts and Telecommunications, particularly to Ruchuan Wang, Haiping Huang, Chao Sha, Yimu Ji, Fu Xiao, Ning Ye, Haiyan Wang, Rui Huang, and Juan Wang, for the effective work in taking care of all local organization duties. Special thanks also go to Yingpeng Sang and Yidong Li to commend their hard work.

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 their time in Nanjing enjoyable.

Hong Shen
PAAP 2015 Program Committee Chair