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Preface

Welcome to the proceedings of the 14th International Conference on Algorithms and Architectures for Parallel Processing (ICA3PP 2014) held in Dalian, China.

ICA3PP 2014 is the 14th in this series of conferences started in 1995 that are devoted to algorithms and architectures for parallel processing. As applications of computing systems have permeated in every aspect of daily life, the power of computing system has become increasingly critical. This conference provides a forum for academics and practitioners from countries around the world to exchange ideas for improving the efficiency, performance, reliability, security, and interoperability of computing systems and applications.

It is our great honor to introduce the program for the conference. Thanks to the Program Committee's hard work, we were able to finalize the technical program. In the selection process, each paper was assigned to at least 4 PC members as reviewers. The authors and those PC members from the same institution were separated in the reviewing process to avoid conflicts of interests. We received 285 submissions from all over the world. The large number of submissions indicated continued excitement in the field worldwide. The manuscripts have been ranked according to their original contribution, quality, presentation, and relevance to the themes of the conference. In the end, 70 (24.56%) papers were accepted as the main conference papers and inclusion in the conference.

ICA3PP 2014 obtained the support of many people and organizations as well as the general chairs whose main responsibility was various tasks carried out by other willing and talented volunteers. We want to express our appreciation to Professor Xian-He Sun for accepting our invitation to be the keynote/invited speaker.

We would like to give our special thanks to the program chairs of the conference for their hard and excellent work on organizing the Program Committee, outstanding review process to select high-quality papers, and making an excellent conference program. We are grateful to all workshop organizers for their professional expertise and excellence in organizing the attractive workshops/symposia, and other committee chairs, advisory members and PC members for their great support. We appreciate all authors who submitted their high-quality papers to the main conference and workshops/symposia.

We thank all of you for participating in this year's ICA3PP 2014 conference, and hope you find this conference stimulating and interesting.

July 2014

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