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# Advanced Parallel Processing Technologies

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Proceedings

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# Preface

The ever-increasing demand of parallel processing drives society to investigate new computer architecture and system software techniques. Following this trend, APPT 2017 broadly captured the recent advances in big data processing, parallel architectures and systems, parallel software, parallel algorithms and artificial intelligence applications, distributed and cloud computing, etc., and provided an excellent forum for the presentation of research efforts and the exchange of viewpoints.

We would like to express our gratitude to all the colleagues who submitted papers and congratulate those whose papers were accepted. Following the success of its past ten conference series, APPT 2017 managed to provide a high-quality program for all attendees. The Program Committee (PC) decided to accept 11 papers. All submissions were reviewed by three PC members. There was also an online discussion stage to guarantee that consensus was reached for each submission.

While we would like to thank the authors for submitting their nice work to APPT 2017, and we would also like to show our sincere appreciation to PC members. The 25 PC members did an excellent job in returning high-quality reviews in time and engaging in a constructive online discussion. We would also like to thank the general chairs (Prof. Yong Dou and Prof. Haixiang Lin), the publicity chair (Prof. Duo Liu), and the publication chair (Siqi Shen). Our thanks also go to Springer for its assistance in putting the proceedings together. Finally, we offer our special thanks to the Organizing Committees of EuroPar, who made it possible to co-locate APPT 2017 with EuroPar 2017 in Spain.

July 2017

Guangyu Sun  
Yiran Chen

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APPT 2017 was organized by the China Computer Federation.

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