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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 2019 broadly captured the recent advances in parallel architectures and systems, parallel software, parallel algorithms and neural network applications, 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 twelve conference editions, APPT 2019 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.

We would like to thank the authors for submitting their work to APPT 2019, and we would also like to show our sincere appreciation to the PC members. The 30 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. Ke Gong and Prof. Xiangke Liao), the organization chairs (Prof. Tao Li, Prof. Dezun Dong, and Prof. Xiangfei Meng), and the publication chairs (Prof. Junjie Wu and Prof. Xiaoli Gong). Our thanks also go to Springer for their assistance in putting the proceedings together.

July 2019

Pen-Chung Yew
Per Stenström

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APPT 2019 was organized by the China Computer Federation.

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