

Message from the Program Chairs

ICPADS 2018

Since its establishment in 1992, ICPADS has been a major international forum for scientists, engineers, and users to exchange and share their experiences, new ideas, and latest research results on all aspects of parallel and distributed computing systems. The 24th IEEE International Conference on Parallel and Distributed Systems (ICPADS 2018) will be held in Singapore, December 11–13, 2018.

Contributions were solicited in all areas of parallel and distributed systems research and applications, forming our 6 tracks:

- Mobile and Ubiquitous Computing
- Fog and Edge Computing
- Internet of Things and Cyber-Physical Systems
- Big Data and Cloud Computing
- Distributed and High Performance Computing
- Security and Dependable Computing

This year ICPADS 2018 received an increase in numbers of submissions from 302 authors from across the world. All papers were peer-reviewed by track program committees, whose total of 125 members are from the USA, Japan, UK, Germany, France, Korea, China, etc. Each paper received at least three to five reviews. After the most stringent selection we accepted 124, therefore the acceptance rate for selected papers is 41%. Each full paper is up to 8 pages in the conference proceedings.

We are hosting three workshops and the papers within each is limited into 6 pages - the proceedings of the workshops are also included in this volume. The workshops are being held in conjunction with ICPADS 2018 are:

- The 1st International Workshop on Data-driven Sensing and Computing for Smart City and Transportation
- The 2nd International Workshop on Blockchain Technology and Systems
- The 1st International Workshop on BigData Processing Systems

For ICPADS 2018, we have invited two highly distinguished keynote speakers:

- Dr. Xiang-Yang Li professor and Executive Dean at School of Computer Science and Technology, USTC, an IEEE fellow (2015), an ACM Distinguished Scientist.
- Prof. Manish Parashar is Distinguished Professor of Computer Science at Rutgers University and founding Director of the Rutgers Discovery Informatics Institute (RDI2).

We would like to thank all of the authors of submitted papers for their work and their interest in this conference. We would like to express our sincere appreciation for all members of the program committees. It was from these reviews that we identified a set of submissions that are clear, relevant, and describe high-quality work in related research fields. It was through these reviews that authors received objective and often detailed feedback from a diverse group of experts.

In addition, we would like to thank our advisory chair Wentong Cai (NTU), our general co-chairs Mo Li, (NTU) and Kian-Lee (NUS), for their invaluable advice and guidance. Our special thanks also go to

all workshop organizers for their professional expertise and excellence in organizing the attractive workshops. The conference proceedings would not have been possible without the support of these individuals and organizations. Specifically, we thank our publication chair Yongpan Zou, Shenzhen University; our publicity chairs Hongzi Zhu (SJTU), Olga Saukh (TU Graz) and Vaskar Raychoudhury (Miami University); our finance chair Zhidan Liu (Shenzhen University), and finally our Web support chairs Chu Cao (NTU) and Panrong Tong (NTU). Special thanks to our sponsors.

Large scale and distributed systems currently form our core computing architectures, ICPADS 2018 demonstrates the advancement of such systems demonstrating their continuing relevance to the world we live in.

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ICPADS 2018 Program Chairs