Message from the ICECCS 2018 Program and General Chairs

Welcome to the 23rd edition of International Conference on Engineering of Complex Computer Systems (ICECCS 2018), which is held in Melbourne, Australia, on 12–14 December, 2018.

The conference focuses on all aspects of complex computer systems including the design, verification, validation, and management thereof. The overarching nature of the topic encompasses many aspects of software engineering and programming language research including performance, correctness, real-time behavior, fault tolerance, security, development time and cost, reusability, big data management, etc. We also recognise the recent surge of research results applying SAT and SMT solvers to these problem domains, for which reason we decided to include it as a main topic of our conference.

Any realistic solution for developing and managing complex systems requires a collaboration between industrial and academic experts. One primary goal of ICECCS as a conference is to provide a forum that can bring them together. We believe that we have continued this tradition this year, which is reflected in the list of accepted papers. We received a total of 79 papers. After a rigorous reviewing process, we selected 18 full papers and 11 short papers for presentations. As part of the strong technical program, the conference also features three keynote speeches from prominent researchers: Zhendong Su at ETH Zurich, Jon Whittle at Monash University, and Mark Staples at Data61.

We would like to thank the authors for submitting their work, and PC members and reviewers for their hard work. We would like to especially thank the steering committee, in particular Jin Song Dong for providing us with invaluable advice. Finally, we thank the support of the local chair Xin Xia, publicity co-chairs Etienne Andre and Huibiao Zhu, web co-chairs Hadrien Bride and Zhe Hou, and workshop/tutorial chair Marcel Boehme.

We wish you enjoy the program, and have a great time in Melbourne!

Anthony Widjaja Lin
Jun Sun
ICECCS 2018 Program Committee Co-Chairs

Yuan-Fang Li
ICECCS 2018 General Chair