Preface

The engineering of complex computer systems has brought to the frontline the urgent need to investigate the theories, methods, and tools that can construct high quality software for complex systems.

Welcome to ICECCS 2013, the Eighteenth International Conference on Engineering of Complex Computer Systems and welcome to Singapore! ICECCS 2013 aims to continue the tradition to advance the understanding and expertise in the following areas:

- System Modeling and Verification
- System Evaluation
- Real-time, Hybrid and Embedded systems
- Validation, Verification, and Testing
- Metrics, Measurements, and Analysis
- Methods and Theories
- Automation and Tools

This year’s conference has a strong technical program. In addition to 3 keynote addresses by Jifeng He, Shinichi Honiden and Cliff Jones, it also includes a selection of rigorously refereed papers presented in the regular paper sessions and short paper sessions. The Program Committee has received 102 submissions from 34 countries and each paper was reviewed by at least 3 referees. We choose 21 full papers and 15 short papers as the result of intensive discussions held among the PC members.

There are three co-located workshops: Workshop on Combinatorial Testing for Complex Computer Systems, French Singaporean Workshop in Formal Methods and Applications and Asia Workshop on Advanced Software Engineering.

We would like to thank National University of Singapore, Nanyang Technological University, Singapore University of Technology & Design and IPAL lab as co-organisations. Special thanks go to many individuals who have contributed to the success of this conference. We thank the authors for sharing their ideas with us, the reviewers for providing valuable feedback, and all the PC members for taking time from their busy schedules to support this conference. We would like to thank Mike Hincey and Isabelle Perseil who have provided excellent help in organising this conference and also thank Boo Cheong Khoo and Daniel Racoceanu for their invaluable support. Special thanks also go to various organization committee members/chairs and special guests: Étienne André, Christine Choppy, Laurent Fribourg, Zhenjiang Hu, Zhi Jin, Raghu Kacker, Rick Kuhn, Jeff Yu Lei, Yuan Fang Li, Yan Liu, Hong Mei, Wee Keong Ng, Jun Pang, Isabelle Perseil, Shangwei Lin, Manchun Zheng, Jianqi Shi, Ling Shi, Zhenchang Xing, Tanabe Yoshinori, Shaojie Zhang, and Xian Zhang.

Thank you for attending ICECCS 2013. We hope that you enjoy the program and have a great stay in Singapore!

Yang Liu and Andrew Martin
Program Co-Chairs

Jin Song Dong and Jun Sun
General Co-Chairs