Message from the RTCSA 2015 Conference Chairs

It is the tradition of the International Conference on Embedded and Real-Time Computing Systems and Applications (RTCSA) to bring together researchers and developers from academia and industry for advancing the technology of embedded and real-time computing systems and applications.

This year is the 21st meeting of the RTCSA conference series and the third time RTCSA is being held in Hong Kong. RTCSA was first held in Hong Kong in 1999 and again in 2005. And this time in 2015, we have the opportunity to jointly organize RTCSA2015 with two other related IEEE International Conferences namely, CPSNA2015 and NVMSA2015. We believe bringing these 3 conferences within the same time can provide the synergy to build up the real-time and embedded systems community and obtain the critical mass to give a bigger impact to the research in Cyber Physical Systems and the Internet of Things.

Back in the history, RTCSA started as a workshop in 1994, became a conference in 1998 and since then the technical program had been improving steadily. RTCSA became an IEEE conference in 2005 and is one of the major conferences in the real-time and embedded systems community. This year we carry on with our usual practice to have the technical program running in 3 tracks: Real-Time Systems, Embedded Systems, and a track on System Design Practice and Emerging Applications. Thanks to the hard work of the conference’s publicities, we received 68 full paper submissions from 13 countries and regions including Brazil, China, Denmark, France, Germany, Holland, India, Japan, Korea, Portugal, Singapore, Sweden, Taiwan, and USA. Around 18% of the submissions come from USA and more than 10% of the submissions come from each of China, France, Germany, and Sweden.

Given such a large number of papers, the Program Committee had to work hard to thoroughly review all of them. In some cases, we have a very constructive debate on papers with conflicting reviews. Overwhelming by the number of submissions, in addition to accepting 21 full papers, we also selected 6 short papers and 5 Work-in-Progress papers to be presented in the conference. This year, thanks to the Steering Committee members, the program also invited key researchers and developers of projects with high impacts from different regions to provide keynote presentations.

We owe a great deal of thanks to the Program Committee members and the reviewers. The success of this year’s RTCSA would not be possible without their hard work and it is also important to have their professional contributions to maintain the high standards for this year’s technical program. We are also grateful to all the Steering Committee members for their helpful advices and constant support. Finally, we also express our thanks to the Organizing Committee members, especially to our Registration Chair, Dr. Byron Choi, our Organizing Chair, Dr. Kelvin Wong, the Proceedings Production Editor, Lisa O’Conner, and the team of volunteers from Department of Computer Science, & Research Centre for Ubiquitous Computing, Hong Kong Baptist University, for their help in registration, the publication of this proceedings, and local arrangement. All their efforts contribute to the success of the conference.

RTCSA2015 is hosted by Department of Computer Science & Research Centre for Ubiquitous Computing, Hong Kong Baptist University, and is co-sponsored by Department of Computer Science at HKBU, Technical Committee on Real-time Systems of IEEE Computer Society, IEEE Computer Society and IEEE Hong Kong Section, Computer Society Chapter. RTCSA2015 is also financially sponsored by Department of Computer Science at HKBU, Science Faculty of HKBU, and the Hong Kong Baptist University.

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