

Message from the General Chair

PRDC 2022

We the PRDC2022 Organizing Committee are very pleased to welcome you to the 27th IEEE Pacific Rim International Symposium on Dependable Computing (PRDC 2022).

IEEE Pacific Rim International Symposium on Dependable Computing is a series of symposia started in 1989 devoted to dependable and fault-tolerant computing. PRDC is recognized as the main event in the Pacific area that covers many dimensions of dependability, fault tolerance, security, and safety critical systems, encompassing fundamental theoretical approaches, practical experimental projects, and commercial components and systems. As applications of computing systems have permeated into all aspects of daily life, the dependability of computing systems has become increasingly critical. The PRDC2022 symposium provides a forum for countries around the Pacific Rim and other areas of the world to exchange ideas for improving the dependability of computing systems.

This year the PRDC conference is organized by Tsinghua University, China and will be held in Beijing during Nov. 28-30, 2022. Tsinghua University is the premier university in China. The programs of computer science and engineering of Tsinghua University are the best among those of the universities in China, and are highly prestigious in the world.

Beijing is an ancient city with a history started from around 3000 years ago, while also a modernized and internationalized metropolis. Besides the historical relics such as the Great Wall, the Forbidden City and the Summer Palace, you will find in Beijing most fashionable and modern-style buildings and skyscrapers such as National Stadium, Financial Street and Central Business District. Today's Beijing is an international industrial and commercial metropolis where the largest number of high-tech companies and startups in China are based. We sincerely invite all conference attendees to visit here and enjoy the trip in the charming Beijing — old and young, composed and vigorous.

As the General Chair I am greatly grateful to those people who contributed to the organization, publicizing and advocacy of the conference and made the PRDC2022 conference a success. In particular, I extend my deepest gratitude to the following people: Zhi Jin and Mingwei Xu – Honorary General Chairs, Dan Dongseong Kim – Steering Committee Chair, Lance Fiondella and Ting Su – Research Program Chairs, Keun Soo Yim and Xiao Chen – Industry Program Chairs, Hiroyuki Okamura and Zhen Dong – Fast Abstract Program Chairs, Vidhyashree Nagaraju, Qingpei Hu and Giovanni Mazzeo – Publicity Chairs, Lin He and Tao Yu – Local Arrangement Chairs, Bo Wang – Publication Chair, Xingang Shi – Finance Chair, Chang Liu – Web Master, and Min Xie, Yennun Huang, Michael Lyu.

We thank all the authors who submitted their papers to our conference. The conference has three tracks of programs, and there are 65 Program Committee members in the Research Program, 12 Program Committee members in the Industry Program, and 7 Program Committee members in the Fast Abstract Program. We thank all the Program Committee members and external reviewers for their insightful reviews.

The high quality of our conference is achieved by virtue of the authors' superior contributions and the PC members' critical review. In the Research Program, we received 58 paper contributions, and the Research PC carried out a thorough double-blind review and accepted 21 of them (21/58=36% acceptance rate). The Industry Program and the Fast Abstract Program accepted 4 and 5 papers, respectively. Our conference received contributions from all over the world: Portugal, China (mainland, Taiwan, and Macao), United

States of America, United Kingdom, Sweden, Japan, Korea, France, Germany, Italy, Luxembourg, India, Iraq, Spain, Australia, Brazil, Czechia, Iran, Israel, Sri Lanka, and Tunisia.

We are highly honored to bring to the attendees four keynote speeches from these distinguished professors: Prof. Kishor S. Trivedi from Duke University, Prof. Paulo E.-Verissimo from KAUST, Prof. Zhendong Su from ETH Zurich, and Prof. Tao Xie from Peking University. They are all famous senior professors with very high recognitions in the world, and they share their critical thinking and novel perspective in the keynote speeches.

We would like to also express our appreciation to the Steering Committee members for offering precious directives and guidance, to IEEE Computer Society and Huawei Technologies Co. Ltd. for sponsoring our conference, to IEEE for publishing the conference proceedings, to the China Computer Federation (CCF) Technical Committee of System Software for advocating the conference, and to Tsinghua University for the facilities and service support the university has provided to our conference organization.

We look forward to meeting you in PRDC 2022, and sincerely invite you to visit Beijing and Tsinghua University during the conference and in the future!

Long Wang, *Tsinghua University, China*
PRDC 2022 General Chair