Message from the ScalCom 2015 Chairs

It is our great pleasure to welcome you to the 15th IEEE International Conference on Scalable Computing and Communications (ScalCom 2015) in Beijing, China, August 10–14, 2015. The ScalCom 2015 conference, sponsored by the Institute of Electrical and Electronic Engineers (IEEE), IEEE Computer Society, and IEEE Technical Committee on Scalable Computing (TCSC), is well established in its 15th edition as a highly reputed conference in the field. On behalf of the ScalCom 2015 General Chairs and Executive Chairs, we would like to express our sincere and warm welcome to all of the participants!

IEEE ScalCom is recognized for its unique coverage of ubiquitous computing, machine learning, multi-core computing, and scalable networks under one carefully integrated research forum. Its coverage encompasses multiple dimensions of ubiquitous intelligent computing, smart environments and systems, smart objects and social- cyber-physical systems. It provides a major forum for engineers and scientists from academia, industry, and government to share their views on many challenging research problems, and to present and discuss their novel ideas, research results, new applications, and experience on all aspects of ubiquitous and intelligent computing and applications.

ScalCom 2015 focuses on new designs in multi-core architectures for scalability, cloud/grid computing, algorithms and data structures for scalability-rethinking, modeling and simulation in applications, scalable networks, mobile and wireless communications, mobile and pervasive computing, the merging of computing and communications, and modeling and evaluation in communication systems.

We received many high-quality submissions from Asia, Asia Pacific, Europe, and all over the world this year. Each paper was reviewed by at least three independent reviewers, selected by a highly qualified Program Committee. Based on the review results, we chose 30 papers to be included in the main conference (an acceptance rate of about 46%) and 26 papers to be included in the workshops and symposia, which will be jointly held with ScalCom 2015. We would like to thank the authors of all the submitted papers for choosing ScalCom 2015 as the venue at which to present their high-quality research work.

In addition, the conference program includes one distinguished keynote speaker. For the successful organization of an international conference, we counted on the great support of many people and organizations. First of all, we would like to sincerely thank Professors Laurence T. Yang (St. Francis Xavier University, Canada), Jianhua Ma (Hosei University, Japan) and Albert Y. Zoyama (University of Sydney, Australia), the Steering Chairs, for giving us the opportunity to organize the conference and for their support and guidance.

We would like to give our special thanks to the Program Chairs for their excellent work and great efforts in organizing an outstanding Program Committee, conducting a rigorous

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reviewing process, selecting high-quality papers from a large number of submissions, and for preparing an excellent conference program. We are also indebted to the members of the Program Committee, who have put in hard work and long hours to review each paper in a professional way. Thanks to them all for their valuable time and efforts in reviewing the papers. We are grateful to the workshop chairs Masoud Daneshtalab (University of Turku, Finland & KTH, Sweden), Jie He (University of Science and Technology Beijing, China), and Fuyuan Xiao (Southwest University, China) for organizing two workshops on emerging areas.

Thanks also go to the entire local arrangements committee for their help in making the conference a success. We take this opportunity to thank all the authors, participants, and session chairs for their attendance at this conference and their valuable contributions. Last but not least, we would like to express our gratitude to all of the organizations that supported our efforts to bring the conference to fruition.

We thank all of you for participating in IEEE ScalCom 2015, and hope that you will find the conference stimulating and interesting for your research and professional activities and will have a lovely time during your stay in Beijing, China.

Pavan Balaji, Argonne National Laboratory, USA
Keping Long, University of Science and Technology Beijing, China
Yunquan Zhang, Institute of Computing Technology, Chinese Academy of Science, China

ScalCom 2015 General Chairs

Didier El Baz, LAAS-CNRS, France
Huansheng Ning, University of Science and Technology Beijing, China

ScalCom 2015 Executive Chairs

Bofeng Zhang, Shanghai University, China
Marco Aldinucci, University of Torino, Italy
Lei Guo, Northeastern University, China

ScalCom 2015 Program Chairs