Message from ISADS Program Co-Chairs

Welcome to the Twelfth International Symposium on Autonomous Decentralized Systems (ISADS) 2015 in Taichung. The first ISADS was inaugurated 20 years ago in Kawasaki, Japan in 1993. The ADS technologies have been expanded in the past 22 years from the computing, communication, and control technologies to the innovative integration of these technologies and their applications, which are more closely related to our daily-life. The special topic of ISADS 2015 is the evolving systems for next generation social infrastructures, which bring the future technologies and global applications for the discussions among the researchers, engineers, planners, strategists, and managers from industries, governments, universities and research institutions worldwide.

ISADS 2015 and workshops received 70 submissions from 17 countries. Each paper is reviewed by three program committee members. ISADS accepted 15 papers out of 29 submissions. In addition, ISADS organized two keynotes given by Prof. Yi-Bing Lin (Deputy minister of science and technology, Taiwan and IEEE and ACM Fellow) and by Prof. Lionel M. Ni (University of Macau, China), a forum on society, industry, and life, with eight keynote-style presentations given by Gaku Suzuki (Hitachi Ltd., Japan), Jeff Tsai (Asia University, Taiwan), Farokh Bastani (University of Texas, Dallas, USA), Jie Xu (Leeds University, UK), Masaki Ogata (East Japan Railway, Japan), W. T. Tsai (Arizona State University, USA and Beihang University, China), Radu Popescu Zeletin (Technical University of Berlin, Germany), and Colin Harrison (IBM, USA).

ISADS 2015 also hosts four workshops on Agile Decentralized Resilient Operation of Internet of Things Systems, on Systems and Algorithms for Distributed Embedded Intelligence, on Service Assurance in System Wide Information Management, and on Smart Grid Communications and Networking, as well as a student session.

The excellent and comprehensive technical program is a result of the hard work of numerous people, including the authors, reviewers, members of the program committee who contributed a great effort to help collect, review, and select papers for the program. We would like to particularly thank Prof. Kinji Mori and the steering committee members Farokh Bastani, Masaki Ogata, East Japan Railways, Radu Popescu-Zeletin, and Richard Mark Soley, for their supports, advices and coordination of the entire event, and particularly, for organizing the forums and the panel. We would like to thank the general chair, Jeff Tsai of Asia University, Taiwan for facilitating the event. The local organizing committees have been taking an extremely challenging task, from Web site, proceedings, finance, and registration to travel, accommodation, and all the local arrangement. Without their tireless efforts, we would not have the event in Taichung this year.

We believe that ISADS 2015 will be a great success for all symposium participants!

Yinong Chen, Min-Shiang Hwang, Hidenori Nakazato, and Ilja Radusch

ISADS 2015 Program Committee Chairs