Message from the UIC 2015 Chairs

It is our great pleasure to welcome you to the 12th IEEE International Conference on Ubiquitous Intelligence and Computing (UIC 2015), held August 10–14, 2015, in Beijing, China. On behalf of the UIC Organizing Committee, we would like to express a sincere and warm welcome to all participants.

UIC 2015 is the 12th edition of this conference series, previously held as USW-05 (Taiwan), UISW-05 (Japan), UIC-06 (Wuhan, China), UIC-07 (Hong Kong), UIC-08 (Oslo, Norway), UIC-09 (Brisbane, Australia), UIC-10 (Xian, China), UIC-11 (Banff, Canada), UIC-12 (Fukuoka, Japan), UIC-13 (Vietri sul Mare, Italy) and UIC-14 (Bali, Indonesia).

UIC is recognized for its unique coverage of both ubiquitous computing and machine learning in one carefully integrated research forum. Its coverage encompasses multiple dimensions of ubiquitous intelligent computing, smart environments and systems, smart objects, and physical-cyber-social systems. It provides a major forum for scientists and engineers from academia, industry, and public organizations to share their views on many challenging research problems and to present and discuss their novel ideas, research results, new applications, and experience concerning all aspects of ubiquitous and intelligent computing and applications. UIC 2015 is sponsored by the IEEE, IEEE Computer Society, and IEEE Technical Committee on Scalable Computing (TCSC).

This year, the UIC 2015 main conference contains 37 paper presentations (over 121 submissions; acceptance rate of 30.6%) from more than 20 countries around the world. The conference also has four closely associated workshops that discuss intelligent ubiquitous systems and related techniques. UIC 2015 is one of the largest conferences in the series in terms of both the number of participants and the number of technical sessions. For the successful organization of an international conference of this size and diversity, we counted on the great support of many people and organizations. First of all, we would like to sincerely thank the steering committee Jianhua Ma (Hosei University, Japan), Laurence T. Yang (St. Francis Xavier University, Canada), Sumi Helal (University of Florida, USA), Daqing Zhang (Institut Telecom SudParis, France), Jadwiga Indulska (University of Queensland, Australia), Theo Ungerer (University of Augsburg, Germany), and Bernady O. Apduhan (Kyushu Sangyo University, Japan) for giving us the opportunity to organize the conference and for their support and guidance. We would like to express our special thanks to the executive chairs Gang Pan (Zhejiang University, China) and Huansheng Ning (University of Science and Technology Beijing, China) for their great support to the conference. We appreciate Yunxin Liu (Microsoft Research Asia), Raghu Ganti (IBM T. J. Watson Research Center), and Wenbing Zhao (Cleveland State University) for putting together the wonderful tutorial program. We are also indebted to the members of the Program Committee, who have worked hard to review each paper in a professional way.

We are grateful to the Workshop Chairs, Liming Chen (De Montfort University, UK), Qi Han (Colorado School of Mines, USA), and Zhu Wang (Northwestern Polytechnical University, China), and the Tutorial Chairs, Guanling Chen (University of Massachusetts Lowell, USA) and Xiaojuan Ma (Noah’s Ark Lab, Huawei, China), for recruiting nice workshop organizers and tutorial speakers. We express our thanks to the Poster & Demo Chairs, Flora Salim (RMIT University, Australia), Chenren Xu (Carnegie Mellon University, USA), Zhiyong Yu (Fuzhou University, China), and Shijian Li (Zhejiang University, China), for introducing open discussions to the conference. We are also grateful to the Video Chairs Alvin Chin (BMW Group, USA), Runhe Huang (Hosei
University, Japan), Yasha Wang (Peking University, China), and Yuqing Sun (Shandong University, China) for presenting us with interesting and creative videos.

Special thanks go to Publicity Chairs Chao Chen (Chongqing University, China), Al-Sakib Khan Pathan (Intl. Islamic Univ. Malaysia), Longfei Shangguan (HKUST, Hong Kong, China), and Kevin Wang (University of Auckland, New Zealand) for their great help in disseminating the call for papers and publicizing the conference. 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 of the authors, participants, and session chairs for their valuable efforts, many of whom have traveled long distances to attend this conference and make their valuable contributions. Last but not least, we would like 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 UIC 2015, and hope that you find the conference stimulating and interesting for your research and professional activities.

Yuanchun Shi, Tsinghua University, China
Jamal Deen, McMaster University, Canada
Bin Guo, Northwestern Polytechnical University, China
Raghu K. Ganti, IBM T. J. Watson Research Center, USA
UIC 2015 General Chairs

Xing Xie, Microsoft Research, China
Koji Zettsu, National Institute of Information and Communications Technology, Japan
Mirco Musolesi, University of Birmingham, UK
Changai Sun, University of Science and Technology Beijing, China
UIC 2015 Program Chairs