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Preface IAT 2015

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Preface

IAT 2015

This volume contains the papers selected for presentation at the 2015 IEEE/WIC/ACM International Conference on Intelligent Agent Technology (IAT'15), which was held from 6 to 9 December 2015 in Singapore, a city which welcomes people from different parts of the world to work and play. Following the tradition of IAT conference in previous years, IAT'15 was collocated with 2015 IEEE/WIC/ACM International Conference on Web Intelligence (WI'15). Both WI'15 and IAT'15 were sponsored by the IEEE Computer Society, Web Intelligence Consortium (WIC), Association for Computing Machinery (ACM), and the Memetic Computing Society. The two collocated conferences were hosted by the Joint NTU-UBC Research Centre of Excellence in Active Living for the Elderly (LILY) at Nanyang Technological University (NTU) and the Living Analytics Research Centre at Singapore Management University (SMU), and supported by Singapore Exhibition and Convention Bureau.

Other than inviting regular paper submissions to the general track, WI'15 has created two special sessions to attract papers addressing emerging research topics, namely Special Session on Agents in Urban Computing and Engineering, and Special Session on Artificial Intelligence for Aging In-Place. IAT'15 received a total of 122 paper submissions, each of which has been reviewed by at least two reviewers on the basis of theoretical originality, technical quality, relevance, originality, significance, and clarity. Following a rigorous review and selection process, we finally selected 34 full papers and 30 short papers for oral presentation and publication in this proceeding volume. This corresponds to acceptance rates of 27.8% for full papers and 24.5% for short papers. WI'15, on the other hand, selected 43 full papers and 49 short papers, published under Volume 1 of the proceedings.

As an important part of the event, WI-IAT'15 is proud to present a slew of excellent joint keynote speakers, including Joseph Sifakis (Turing Award 2007), Francis Heylighen, Steven Koonin, Sarit Kraus, Gee-Wah Ng, and Dominik Slezak. Our distinguished keynote speakers also participate in the panel discussion on the conference theme of "Big Data in Global Brain and Social Networks" chaired by Chengqi Zhang. In addition, WI-IAT'15 boasts an extensive program line-up of three tutorials provided by experts in the fields, seven associated workshops on special topics of interests, and a new special demonstration and poster track. The papers accepted for presentation in the workshops and the demo/poster track can be found in Volume 3 of the proceedings.

The success of a conference cannot come without the support and hard work of many dedicated individuals. We have many people to thank for their generous contributions, in particular, the WI Steering Committee Chairs Ning Zhong and Jiming Liu for their continual support and guidance

as well as IEEE Computer Society Technical Committee on Intelligent Informatics (TCII) Chair Chengqi Zhang for his leadership and support to the event. We also thank Singapore Management University for providing the conference venue, IEEE CS TCII for sponsoring best paper awards, and DataSpark for being our Gold Sponsor.

We also take this opportunity to thank our distinguished keynote speakers for their excellent presentations, tutorial speakers for sharing their expert knowledge, workshop and special session organizers for promoting and organizing the workshops and special sessions, and our program committee for getting the reviews completed on time during their busy schedules and putting together an excellent technical program.

We also wish to acknowledge the members of our conference organizing committee, who have worked relentlessly to take care of all necessary administrative, publicity and logistic arrangement for our technical as well as social programs. Special acknowledgement goes to our CyberChair and Finance Chair Juzhen Dong for providing administrative and technical support to the CyberChair system and keeping our budget in balance. Last, but not the least, we thank Lisa O’Conner for editing and producing the conference proceedings.

We hope all WI-IAT’15 participants will enjoy the above program line-up as well as the local hospitality.

Thank you.

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Yuefeng Li (Queensland University of Technology, Australia)

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