

Preface

We are very happy to welcome you to NLPCC 2015, the 4th International Conference on Natural Language Processing and Chinese Computing. NLPCC is the annual conference of CCF-TCCI (Technical Committee of Chinese Information, China Computer Federation). The previous three NLPCC conferences were successfully held in Beijing in 2012, Chongqing in 2013, and Shenzhen in 2014, respectively. This year is the second year when NLPCC became an international conference. As a leading conference in the field of NLP and Chinese computing, NLPCC has been the main forum for researchers and practitioners in NLP from academia, industry, and government to share their ideas, research results, and experiences and to promote the research and technical innovations in these fields.

We received 238 paper submissions this year covering advanced topics in fundamental research on language computing, multi-lingual access, Web mining/text mining, machine learning for NLP, knowledge graphs, NLP for social networks, search and ads, question answering, as well as applications in language computing. Among them, 82 manuscripts were written in Chinese and 156 in English. All submissions were reviewed in a double-blind manner by at least three reviewers. The final decisions were made at a meeting with Program Committee (PC) chairs and area chairs. Finally, 53 (22.26%) submissions were accepted as long papers (18 in Chinese and 35 in English) and 28 (11.76%) as posters (six in Chinese and 22 in English). Eight papers were nominated for best papers by the area chairs. The final selection of the best paper(s) was made by an independent best paper committee. These proceedings include the accepted English papers, while the accepted Chinese papers are published in *ACTA Scientiarum Naturalium Universitatis Pekinensis*.

We sincerely appreciate our three distinguished keynote speakers — Dan Roth (University of Illinois at Urbana Champaign, USA), Jian-Yun Nie (University of Montreal, Canada) and Hang Li (Noahs Ark Lab, Huawei, China).

We would like to thank everyone who made NLPCC 2015 a successful conference. We would especially like to thank the area chairs for their hard work in recruiting reviewers, monitoring the review and discussion processes, and carefully rating and recommending submissions. We would like to thank all 190 reviewers for their time and effort in reviewing the submissions. We are very grateful to Dekang Lin and Ming Zhou for their participation in the Best Paper Committee. We are also grateful for the help and support from the general chairs, Kam-Fai Wong, Zhi Tang, and from the Organizing Committee chairs, Dongyan Zhao and Mingwen Wang. Special thanks go to Yansong Feng, Zhichun Wang, the publication chairs for their great help. We appreciate all your help very much!

Finally, we would like to thank all the authors who submitted their research work to the conference, and thank our sponsors for their contributions to the conference.

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