Preface

This volume contains the papers presented at CCKS 2016: the China Conference on Knowledge Graph and Semantic Computing held during September 19–22, 2016 in Beijing.

CCKS is organized by the Technical Committee on Language and Knowledge Computing of CIPS (Chinese Information Processing Society). CCKS 2016 was the merger of two premier relevant forums held previously: the Chinese Knowledge Graph Symposium (KGS) and the Chinese Semantic Web and Web Science Conference (CSWS). KGS was first held in Beijing in 2013, in Nanjing in 2014, and in Yichang in 2015. CSWS was first held in Beijing in 2006, and has been the main forum for research on the Semantic (Web) technologies in China for nearly ten years. The new conference, CCKS, brings together researchers from both forums and covers wider fields including the knowledge graph, the Semantic Web, linked data, NLP, knowledge representation, graph databases etc. It aims to become the top forum on knowledge graph and semantic technologies for Chinese researchers and practitioners from academia, industry, and government.

The theme of this year was "Semantic, Knowledge and Linked Big Data."

There were 82 submissions. Each submission was reviewed by at least two, and on average 2.5, Program Committee members. The committee decided to accept 21 full papers and eight short papers. The program also included four invited keynotes, four tutorials, four shared tasks, one panel, and one industrial forum. The CCIS volume contains revised versions of 12 full papers, 7 short papers, and 6 shared tasks. This year's talks were given by Prof. Ian Horrocks from Oxford University, Prof. Gerhard Weikum from Max-Planck-Institut für Informatik, Dr. Haixun Wang from Facebook, and Prof. Heyan Huang from Beijing Institute of Technology. The tutorials were given by Dekang Lin from Sigularity.io, Jie Bao from MemeCT, Jeff Pan from Aberdeen University, Tong Ruan from East China University of Science and Technology, Haixun Wang from Facebook, Zhongyuan Wang from Microsoft Research Asia, and Wei Hu and Gong Cheng from Nanjing University.

The hard work and close collaboration of a number of people have contributed to the success of this conference. We would like to thank the members of the Organizing Committee and Program Committee for their support; and the authors and participants who are the primary reason for the success of this conference.

Finally, we would like to appreciate the sponsorships from TRS and Unisound as golden sponsors, and Baidu, Fujitsu, and Puhui Finance as silver sponsors.

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