Preface

This is the proceeding of the 10th International Conference on Semantics, Knowledge and Grids (SKG 2014), held in Beijing, China, during 27-29 August 2014. Papers cover current research hotspots in Web semantics, artificial intelligence, cloud computing, high-performance computing, information retrieval, data management, complex network, and Internet of Things. The conference invited seven keynote speakers from the areas of artificial intelligence, cognitive science, Web science, and computing architecture. They are professor Wendy Hall from University of Southampton in the UK, professor Rong Sun from Rensselaer Polytechnic Institute in USA, profession Jiming Liu from Hong Kong Baptist University in China, professor Zhaohui Wu from Zhejiang University in China, professor Hai Jin from Huazhong University of Science and Technology in China, professor Geoffrey Fox from Indiana University in USA, and professor Marian Bubak from AGH Krakow in Poland and University of Amsterdam in Netherlands. Professor Fox and Bubak also play the roles of the chair and program chair respectively. Keynote speakers introduced state-of-the-art technologies, insights and latest developments in Web Science, cognitive science, health-care application, brain machine interface, cloud security and infrastructures. An inspiring panel discussion was organized in the last day. Topics concern the methods and technologies on big data, semantics, knowledge, and cyber-infrastructure. Participants greatly benefited from this discussion. After conference, journal special issues will be organized to publish high-quality extended papers.

We would like to take this opportunity to thank the keynote speakers for their inspiring speech. We also wish to thank the authors who contributed papers and participated in this conference. We wish to thank the Chinese Academy of Sciences, Institute of Computing Technology, and the Key Laboratory of Intelligent Information Processing for their sponsorship and help.

We also hope to express our gratitude to the program committee members, for their dedication to help organizing and reviewing submissions.

Conference Co-Chairs and Program Co-Chairs

16 September 2014
Beijing, China