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The Conference on the Forum of Big Data Technology and Applications (BDTA) 2015 took place in Harbin, Heilongjiang Province, China, on December 25, 2015, hosted by CCF and co-hosted by CCF TCAPP.

The development and application of big data and cloud computing have made great progress. Big data are expected to make a breakthrough in key industries such as communications, Internet, finance, medical treatment, and smart cities. Although big data has brought about changes and opportunities, China’s big data industry is still in the initial stage of development. There are many challenges to be faced, for example, overall strategic planning is still to be deployed, the core technology of big data and the development of data resources need to be improved, the collaboration of industry partners and the bottlenecks in business models still need to be resolved, while the situation of data security and privacy protection is grim.

BDTA 2015 provided a high-end interactive platform bringing together key figures in the area. They reported on and discussed the problems faced by China’s researchers working on big data core technology and different application areas.

This year, BDTA received 116 submissions. After a thorough reviewing process, 26 English papers were selected for presentation as full papers, with an acceptance rate of 22.4%. This volume contains the 26 English full papers presented at BDTA 2015 and one short papers. The high-quality program would not have been possible without the authors who chose BDTA 2015 as a venue for their publications. We are also very grateful to the Program Committee members and Organizing Committee members, who put a tremendous amount of effort into soliciting and selecting research papers with a balance of high quality and new ideas and new applications.

We hope that you enjoy reading and benefit from the proceedings of BDTA 2015.

November 2015

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