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Data Science

Third International Conference
of Pioneering Computer Scientists,
Engineers and Educators, ICPCSEE 2017
Changsha, China, September 22–24, 2017
Proceedings, Part II

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Preface

As the general and program co-chairs of the Third International Conference of Pioneer Computer Scientists, Engineers, and Educators 2017 (ICPCSEE 2017, originally ICYCSEE), it is our great pleasure to welcome you to the conference, which was held in Changsha, China, 22–24 September 2017, hosted by Central South University and the Computer Education Committee of the Hunan Higher Education Federation. The goal of this conference is to provide a forum for computer scientists, engineers, and educators.

The call for papers of this year's conference attracted 420 paper submissions. After the hard work of the Program Committee, 112 papers were accepted to appear in the conference proceedings, with an acceptance rate of 26.7%. The main topic of this conference is data science. The accepted papers cover a wide range of areas related to basic theory and techniques for data science including mathematical issues in data science, computational theory for data science, big data management and applications, data quality and data preparation, evaluation and measurement in data science, data visualization, big data mining and knowledge management, infrastructure for data science, machine learning for data science, data security and privacy, applications of data science, case study of data science, multimedia data management and analysis, data-driven scientific research, data-driven bioinformatics, data-driven healthcare, data-driven management, data-driven eGovernment, data-driven smart city/planet, data marketing and economics, social media and recommendation systems, data-driven security, data-driven business model innovation, and social and/or organizational impacts of data science.

We would like to thank all the Program Committee members, 216 coming from 147 institutes, for their hard work in completing the review tasks. Their collective efforts made it possible to attain quality reviews for all the submissions within a few weeks. Their diverse expertise in each individual research area helped us to create an exciting program for the conference. Their comments and advice helped the authors to improve the quality of their papers and gain deeper insights.

Great thanks should also go to the authors and participants for their tremendous support in making the conference a success. We thank Lanlan Chang and Jian Li from Springer, whose professional assistance was invaluable in the production of the proceedings.

Besides the technical program, this year the ICPCSEE offered different experiences to the participants. We welcome you to the Central South China to enjoy the beautiful summer in Changsha. We hope you enjoy the conference proceedings.

July 2017

Min Li
Fangxiang Wu
Qilong Han
Ronghua Shi

Organization

The Third International Conference of Pioneering Computer Scientists, Engineers, and Educators (ICPCSEE 2017, originally ICYCSEE) –<http://2017.icpcsee.org>– was held in Changsha, China, September 22–24, 2017, and hosted by Central South University and the Computer Education Committee of the Hunan Higher Education Federation.

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