

Preface

Advancing informatics for health care and health-care applications has become an international research priority. There is increased effort to transform reactive care to proactive and preventive care, clinic-centric to patient-centered practice, training-based interventions to globally aggregated evidence, and episodic response to continuous well-being monitoring and maintenance. The annual International Conference for Smart Health (ICSH) began in 2013. This first conference, held in Beijing, attracted over 50 contributors and participants from all over the world, providing a forum for meaningful multidisciplinary interactions.

The 2016 International Conference for Smart Health (ICSH 2016) was organized to develop a platform for authors to discuss fundamental principles, algorithms, or applications of intelligent data acquisition, processing, and analysis of health-care information. Specifically, this conference mainly focused on topics and issues including information sharing, integrating and extraction, clinical practice and medical monitoring, clinical and medical data mining, and large-scale health data analysis and management. We are pleased that many high-quality technical papers were submitted, accompanied by evaluation with real-world data or application contexts. The work presented at the conference encompassed a healthy mix of computer science, medical informatics, and information systems approaches.

ICSH 2016 was held in Haikou, China. The one-day event encompassed presentations of 23 papers. The organizers of ICSH 2016 would like to thank the conference sponsors for their support and sponsorship, including Hainan University, Tsinghua University, University of Arizona, Chinese Academy of Sciences, National Natural Science Foundation of China, and Beijing Biochem Hengye S&T Development Co., Ltd. We also greatly appreciate the following technical co-sponsors: Institute for Operations Research and the Management Sciences (INFORMS), ACM Beijing Chapter, and China Association for Information Systems. We further wish to express our sincere gratitude to all Program Committee members of ICSH 2016, who provided valuable and constructive review comments. This proceedings volume is supported by the Young Faculty Research Fund of Beijing Foreign Studies University under grant number 2015JT008. We further wish to express our sincere gratitude to all sponsors.

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