

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, China, attracted over 50 contributors and participants from all over the world, providing a forum for meaningful multidisciplinary interactions. In the following year (2014), the conference was also held in Beijing, China. This year (2015), the International Conference for Smart Health (ICSH 2015) was held in Phoenix, Arizona, USA.

ICSH 2015 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 medical monitoring and information extraction, clinical and medical data mining, health data analysis and management, big data and smart health, and health-care intelligent systems and clinical practice. 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.

The 1.5-day event encompassed presentations of 33 papers. The organizers of ICSH 2015 would like to thank the conference sponsors for their support and sponsorship, including the University of Arizona, Mayo Clinic, the Chinese Academy of Sciences, and National Natural Science Foundation of China. We also greatly appreciate the following technical co-sponsors, IEEE SMC Technical Committee on Homeland Security, and Institute for Operations Research and the Management Sciences (INFORMS). We further wish to express our sincere gratitude to all Program Committee members of ICSH 2015, who provided valuable and constructive review comments.

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