Welcome to the Fifth International Conference on Frontier of Computer Science and Technology (FCST 2010), held in Changchun, China, on August 18–22, 2010.

FCST 2010 derives from the Japan-China Joint Workshop on Frontier of Computer Science and Technology, which was held in Aizu-Wakamatsu, Japan, November 2006 (FCST 2006); Wuhan, China, November 2007 (FCST 2007); Nagasaki, Japan, December 2008 (FCST 2008); and Shanghai, China, December 2009 (FCST 2009).

The FCST 2010 conference provides a forum for engineers and scientists in academia, industry, and government to address all resulting profound challenges including technical, safety, social, legal, political, and economic issues, and to present and discuss their ideas, results, works in progress, and experience on all mainstream aspects of computer science and technology. The Technical Program Committee of FCST 2010 was led by TPC Chairs Prof. Ivan Stojmenovic and Prof. Keqiu Li, 15 Program Track Chairs, and 240 Program Committee members. A strong international Technical Program Committee was then formed to review and evaluate the submissions and then select the best papers to be presented.

FCST 2010 consists of the main conference and seven workshops. The conference continues to grow and this year a record total of 268 manuscripts were submitted for consideration by the Program Committee. Each paper went through a rigorous peer-review process and each was reviewed by at least three TPC members. Each Program Committee member prepared a single review for each assigned paper. In addition, the program chairs and vice program chairs read the papers when a conflicting review result occurred. Finally, after much discussion among the program chairs and vice program chairs, based on the review scores, the program chairs selected 54 papers for the program. We believe that all of these accepted papers are of high quality and can also stimulate future research innovations in the area of computer science and technology. The additional seven workshops also complemented the outstanding paper sessions.

The excellent program required a lot of effort from many people. First, we would like to thank all of the authors for their hard work in preparing submissions for the conference. We deeply appreciate the efforts and contributions of the Program Committee members who worked very hard to select the very best submissions and to put together an exciting program. We are also very grateful to the keynote speakers, Prof. Gerald Farin, Prof. Ying Xu, Prof. Siqing Zheng, and Prof. Xuemin Lin, for accepting our invitation to present keynote talks. Thanks also go to the workshop chairs for organizing seven excellent workshops on several important topics related to computer science and technology. We would also thank General Cochairs Prof. Gerald Farin and Prof. Liang Hu; Steering Cochairs Prof. Minyi Guo and Prof. Hai Jin; Publication Cochairs Prof. Xiangjiu Che and Prof. Xiaochun Cheng; and Publicity Cochairs Prof. Lin Liu and Prof. Wenbin Jiang for their hard work.

We also deeply appreciate the tremendous efforts of the Program Track Chairs: Professors Gaochao Xu, Yongwei Wu, Jarmo Takala, Ying Zhang, Ying Xu, Ching-Hsien (Robert) Hsu, Hamid Laga, Wenyu Qu, Amiya Nayak, Guojun Wang, Rodrigo Fernandes de Mello, Anil Maheshwari, Jingling Xue, Milos Stojmenovic, and Jingyuan (Alex) Zhang. We would also like to thank Workshop Chairs Prof. Jun Kong, Prof. Zhanshan Li,
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Last, but not least, we would like to greatly thank the FCST 2010 local organizing team: Organization Chair Prof. Xiaohui Wei; Local Arrangement Co-chairs Prof. Ying Jin, Prof. Zhiqiang Ma, and Bo Yang; and some master candidates from Jilin University, China, for their hard work, excellent services, and wonderful local arrangements.

We hope you will enjoy this conference and its social activities, find the technical program to be exciting, and have a wonderful time in Changchun, China. We would like to express our gratitude to Randall Bilof, production editor with the IEEE Computer Society, for all his support and help related to the production of this important scientific work.

Gerald Farin and Liang Hu
FCST 2010 General Co-chairs

Ivan Stojmenovic and Keqiu Li
FCST 2010 Program Co-chairs

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