Preface

The First International Conference on Innovative Computing, Information and Control (ICICIC 2006) was held in Beijing, China, from August 30 to September 1, 2006. Serving to be a platform for expertise exchange, ICICIC 2006 had drawn the attention of researchers from various disciplines: Signal and Imagine Processing, Information Hiding, Multimedia Systems, Artificial Intelligence, Knowledge Discovery and Data Mining, Sensor Network, Fault Detection Techniques, Parameter Identification, Intelligent Systems and Information Processing, Fuzzy Systems Modeling and Design, and Control Systems and Applications.

We received a total of 1,350 submissions from various parts of the world. The International Program Committee worked very hard to have all papers reviewed before the review deadline. The final technical program consists of 528 papers among which 403 are contributed papers and 125 are invited session papers. There are three keynote speeches, 19 invited sessions, and 34 lecture sessions. Each invited and lecture session is composed of five to eight papers depending on the topic. We would like to mention that, due to the limitation of the conference venue capacity, we are not able to include many fine papers in the technical program. Our apology goes to those authors. The conference proceedings were published by the Conference Publishing Services of the IEEE Computer Society. Subject to another reviewing process, 30 of the accepted papers will be selected and published with extended version in the special issues of Circuits, Systems, and Signal Processing and International Journal of Innovative Computing, Information and Control.

Prior to the conference, Professor Chin-Chen Chang (Chung Cheng University, Taiwan) had offered a comprehensive tutorial on “Information Hiding and Its Application.” The three keynote speeches were kindly provided by Professor Ingemar J. Cox (University College London, UK) on “Watermarking, Steganography and Communications”; Professor Chengqi Zhang (University of Technology, Sydney, Australia) on “Missing Data Imputation with Parameter Optimization”; and Professor Takashi Yamakawa (Kyushu University of Technology, Japan) on “Self-Organizing Relationship Network.” All the above speakers are internationally recognized leading experts in their research fields, who have demonstrated outstanding proficiency and have achieved distinction in their profession.

We would like to express our sincere gratitude to all the members of International Program Committee and Organizing Committee for their enthusiasm, time, and expertise. Our deep thanks also go to many volunteers and staffs for the long hours and hard work they have generously given to ICICIC-2006. We are very grateful to Beijing Jiaotong University and the ICIC International for their kind support in making ICICIC 2006 possible. The generous support from National Kaohsiung University of Applied Sciences, Taiwan, is also greatly appreciated. Finally, we would like to thank all the authors, speakers, and participants of this conference for their contributions to ICICIC 2006.

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