

ICIS2009

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Edited by:

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2009 IEEE International Conference on Intelligent Computing and Intelligent Systems

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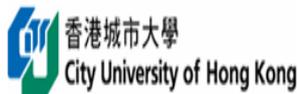


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Preface

Welcome to 2009 IEEE International Conference on Intelligent Computing and Intelligent Systems (ICIS09)! Welcome to Shanghai, China! We believe the solid conference program and the amazing city of Shanghai will offer you irresistible attraction.

This year's ICIS is sponsored by IEEE Beijing Section and Co-sponsored by Shanghai Jiaotong University, Xiamen University, City University of Hong Kong, and Iwate Prefecture University. Much work went into preparing a program of high quality.

At this very moment, we would like to thank the program committees and the organizing staffs for their hard work. We would like to especially thank Professor Yinglin Wang of Shanghai Jiaotong University for handling the 1,900 submissions and Professor Shaozi Li of Xiamen University for his excellent editorial work to the proceeding.

The scope of this conference is to gather researchers from different areas and disciplines to present results and participate in discussions under the common theme of intelligent systems and computing. These interactions will facilitate a better understanding of the diversity of the different approaches as well as of their similarities. In addition it will open the way for applying approaches that have been successful in one area to problem solving in different areas and applications.

We wish each of you successful deliberations, stimulating discussions, new friendships and all enjoyment that Shanghai can offer. While this is a truly remarkable Conference, there is more yet to come. We look forward to seeing all of you in Shanghai.

October 13, 2009

Ljiljana Trajkovic, Canada
Menqi Zhou, China
Junfa Mao, China
Wen Chen, China

Message from the Program Committee Chairs

On behalf of the Program Committee of the 2009 IEEE International Conference on Intelligent Computing and Intelligent Systems, it is an honour to welcome you to ICIS 2009 in Shanghai, China. It has been our pleasure as Program Committee Co-Chairs to help organize this year's impressive scientific and technical program and the technical proceedings. This volume of the proceedings examines the most recent advances and best practices on all the aspects of intelligent computing and intelligent systems. We hope the proceedings will serve as a valuable reference for the research communities.

We received an overwhelming 1929 submissions from 19 countries/regions, we are very pleased with this level of submission and international participation. From these 1929 submissions the program committee seriously selected 653 papers based on their originality, significance, correctness, relevance, and clarity of presentation. All the accepted papers will be presented or posted at the conference. Each of them was reviewed by two or more referees and the authors were asked to address each comment made by the referees for improving the quality of their papers. The acceptance rate of all the papers is 33.85%.

This volume of the proceedings contains the abstracts of two invited talks, papers selected for presentation and poster at the conference. The papers were categorized into four broad sections: artificial intelligence theory and practice, intelligent control and automation, intelligent information processing and pattern recognition. The technical program featured two invited talks, the presentation and poster of all the accepted papers in the proceedings.

The successful of ICIS 2009 was assured by team effort from the sponsors, organizers, reviewers, and participants. In particular, we want to express our gratitude to all the technical program committee members listed in the [Technical Program Committee Members](#) and the external referees; their diligent work in reviewing a large number of papers in a limited timeframe has led to this impressive volume of accepted papers. We want to extend our sincere and deepest thanks to Publicity Chair Dacheng Tao for his outstanding work of disseminating information to the relevant audience, Financial Chair Mei zhang, Local Arrangement Chair Xinbing Wang, Organization Chair Jianxun Li, and all members of the conference organizing committee for their excellent support. Thanks to the webmaster, secretary and volunteers for their outstanding support. Our appreciation also goes to the keynote speakers Ljiljana Trajkovic, Jyrki Nummenmaa for sharing their insights and experiences with the conference attendees, and to the special session organizers for their effort in organizing the events.

We would like to take this opportunity to thank all the authors- those whose papers were accepted, as well as those whose papers could not be included, for their submissions to the ICIS 2009.

Last but not least, we would like to express our gratitude to all of the organizations who have supported their efforts to bring the conference to fruition.

October, 15, 2009

Shaozi Li, Xiamen, China
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Weixing Zhu, Zhenjiang, China
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