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Preface

Volumes of LNCS 5821 and CCIS 51 are the proceedings of the 4th International Symposium on Intelligence Computation and Applications (ISICA 2009) held in Huangshi, China, October 23–25, 2009. These two volumes are in memory of Prof. Lishan Kang, the ISICA 2009 Honorary General Chair, who was a leading figure in the fields of domain decomposition methods and computational intelligence.

ISICA 2009 successfully attracted over 300 submissions. Through rigorous reviews, 58 high-quality papers were included in LNCS 5821, while the other 54 papers were collected in CCIS 51. ISICA conferences are one of the first series of international conferences on computational intelligence that combine elements of learning, adaptation, evolution and fuzzy logic to create programs as alternative solutions to artificial intelligence. The last three ISICA proceedings have been accepted in the Index to Scientific and Technical Proceedings (ISTP) and/or Engineering Information (EI).

Following the success of the past three ISICA events, ISICA 2009 made good progress in the analysis and design of newly developed methods in the field of computational intelligence. ISICA 2009 featured the most up-to-date research in analysis and theory of evolutionary algorithms, neural network architectures and learning, fuzzy logic and control, predictive modeling for robust classification, swarm intelligence, evolutionary system design, evolutionary image analysis and signal processing, and computational intelligence in engineering design. ISICA 2009 provided a venue to foster technical exchanges, renew everlasting friendships, and establish new connections.

On behalf of the Organizing Committee, we would like to thank warmly the sponsors, China University of Geosciences and Hubei Normal University, who helped in one way or another to achieve our goals for the conference. We wish to express our appreciation to Springer for publishing the proceedings of ISICA 2009. We also wish to acknowledge the dedication and commitment of the LNCS and CCIS editorial staff. We would like to thank the authors for submitting their work, as well as the Program Committee members and reviewers for their enthusiasm, time and expertise. The invaluable help of active members from the Organizing Committee, including Jiaoe Jiang, Dajun Rong, Hao Zhang and Xiaowen Jin, in setting up and maintaining the online submission systems, assigning the papers to the reviewers, and preparing the camera-ready version of the proceedings is highly appreciated. We would like to thank them personally for helping make ISICA 2009 a success.

October 2009

Zhihua Cai
Zhenhua Li
Zhuo Kang
Yong Liu

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