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Preface

We are proud to introduce the proceedings of the Third International Symposium on Intelligence Computation and Applications (ISICA 2008) held at the China University of Geosciences (Wuhan), China, during December 19–21, 2008. ISICA 2008 successfully attracted nearly 700 submissions. Through rigorous reviews, 93 high-quality papers were included in the proceedings of ISICA 2008. 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 proceedings of ISICA conferences have a number of special features including uniqueness, novelty, success, and broadness of scope. The proceedings of ISICA conferences have been accepted in the Index to Scientific and Technical Proceedings (ISTP), while the ISICA 2007 proceedings have also been indexed by Engineering Information (EI).

Following the success of ISICA 2005 and ISICA 2007, ISICA 2008 made good progress on analyzing and processing massive real-time data by computational intelligence. ISICA 2008 featured the most up-to-date research in computational intelligence, evolutionary computation, evolutionary multi-objective and dynamic optimization, evolutionary learning systems, neural networks, classification and recognition, bioinformatics and bioengineering, evolutionary data mining and knowledge discovery, intelligent GIS and control, theory of intelligent computation, combinational and numerical optimization, and real-world applications. ISICA 2008 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, 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 2008. We also wish to acknowledge the dedication and commitment of the LNCS 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 Wenyin Gong, Xiaobo Liu, Bo Huang, Ying Chen, Jiewei Li, Pang Fang, and Pengfei Jiang, 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 2008 a success.

December 2008

Lishan Kang
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