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Preface

ISNN 2011 – the 8th International Symposium on Neural Networks – was held in Guilin, China, as a sequel of ISNN 2004 (Dalian), ISNN 2005 (Chongqing), ISNN 2006 (Chengdu), ISNN 2007 (Nanjing), ISNN 2008 (Beijing), ISNN 2009 (Wuhan), and ISNN 2010 (Shanghai). ISNN has now become a well-established conference series on neural networks in the region and around the world, with growing popularity and increasing quality. Guilin is regarded as the most picturesque city in China. All participants of ISNN 2011 had a technically rewarding experience as well as memorable experiences in this great city.

ISNN 2011 aimed to provide a high-level international forum for scientists, engineers, and educators to present the state of the art of neural network research and applications in diverse fields. The symposium featured plenary lectures given by worldwide renowned scholars, regular sessions with broad coverage, and some special sessions focusing on popular topics.

The symposium received a total of 651 submissions from 1,181 authors in 30 countries and regions across all six continents. Based on rigorous reviews by the Program Committee members and reviewers, 215 high-quality papers were selected for publication in the symposium proceedings. We would like to express our sincere gratitude to all reviewers of ISNN 2011 for the time and effort they generously gave to the symposium. We are very grateful to the National Natural Science Foundation of China, the Institute of Automation of the Chinese Academy of Sciences, the Chinese University of Hong Kong, and the University of Illinois at Chicago for their financial support. We would also like to thank the publisher, Springer, for cooperation in publishing the proceedings in the prestigious series of *Lecture Notes in Computer Science*.

Guilin, May 2011

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