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Xudong Jiang
Masayuki Arai
Guojian Chen
Editors

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Introduction

In recent years, pattern recognition has become a hot research branch in the field of machine learning. In light of the fast-paced advancements in pattern recognition taking place all over the world, it is of interest to keep an eye on the state-of-the-art research and development and to facilitate collaboration in multidisciplinary research areas. With this end in view, the Second International Workshop on Pattern Recognition was held 1–3 May 2017 in Singapore.

The aim of the conference is to address and deliberate on the latest technical status and recent trends in the research and applications of pattern recognition. This conference has been designed with the view to provide an opportunity for the scientists, engineers, industrialists, students and other professionals from all over the world to interact and exchange their new ideas and research outcomes for future collaboration.

This year, IWPR solicited 113 submitted papers from different countries all over the world. The Proceedings of IWPR 2017 contains 61 selected papers from the conference, which were presented orally or via poster sessions, and provide up-to-date, comprehensive and worldwide state-of-the-art knowledge in this field. Each contributed paper was rigorously reviewed by members of our international organizing and advisory committees, and external reviewers in related fields from all over the world. The Proceedings covers the specific areas as follows: target recognition and tracking, face recognition, image segmentation, image transformation and analysis, medical image analysis and processing, image processing and application, filter design and signal processing, computer information theory and technology.

On behalf of the Organizing Committee, we would like to express our heartfelt gratitude to all the reviewers for their great professionalism and efforts. Thank you to all the participants and sponsors for their valuable contributions and support to IWPR 2017.

Xudong Jiang
Masayuki Arai
Guojian Chen