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**Xudong Jiang
Guojian Chen
Genci Capi
Chiharu Ishii**
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 First International Workshop on Pattern Recognition was held on 11–13 May 2016 in Tokyo, Japan.

The aim of the conference was to address and deliberate on the latest technical status and recent trends in the research and applications of pattern recognition. This conference was designed to provide an opportunity for 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 110 submitted papers from different countries all over the world. These proceedings contain 58 selected papers which were presented orally or via poster sessions at the conference. They provide up-to-date, comprehensive and worldwide state-of-the-art knowledge in this field. The proceedings cover the following specific areas: target detection and tracking, face recognition; video processing and visualization; medical image analysis and processing; image processing and application; robot and machine vision; signal analysis and processing; and computer applications.

On behalf of the organizing committee, we'd like to express our heartfelt gratitude to all the reviewers for their great professionalism and efforts. We'd also like to thank all the participants and sponsors for their valuable contributions and support of IWPR 2016.

Xudong Jiang
Guojian Chen
Genci Capi
Chiharu Ishii

