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Machine Vision (ICMV 2011)*

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## **Computer Vision and Image Analysis; Pattern Recognition and Basic Technologies**

**Zhu Zeng**  
**Yuting Li**  
*Editors*

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## Introduction

Dear Distinguished Delegates and Guests,

The Organizing Committee warmly welcomes our distinguished delegates and guests to the 2011 Fourth International Conference on Machine Vision (ICMV 2011), held 9–10 December 2011 in Singapore.

The ICMV 2011 was organized by the Singapore Institute of Electronics (SIE) and cosponsored by the International Association of Computer Science and Information Technology (IACSIT). The ICMV 2011 was organized to gather members of our international community scientists so that researchers from around the world can present their leading-edge work, expanding our community's knowledge and insight into the significant challenges currently being addressed in that research. The conference program committee is itself quite diverse and truly international, with membership from the Americas, Europe, Asia, Africa and Oceania.

This proceedings volume records the fully refereed papers that were presented at the ICMV 2011. The main conference themes and tracks are machine vision. The main goal of these events is to provide international scientific forums for exchange of new ideas in a number of fields that interact in-depth through discussions with their peers from around the world. Both inward research; core areas of machine vision and outward research; multidisciplinary, interdisciplinary, and applications will be covered during these events.

The conference solicited and gathered technical research submissions related to all aspects of major conference themes and tracks. All of the submitted papers in these proceedings have been peer reviewed by the reviewers drawn from the scientific committee, external reviewers, and editorial board, depending on the subject matter of the paper. Reviewing and initial paper selection was undertaken electronically. After the rigorous peer-review process, the submitted papers were selected on the basis of originality, significance, and clarity for the purpose of the conference. The selected papers and additional late-breaking contributions presented as lectures made for an exciting technical program. The conference program was extremely rich, featuring high-impact presentations.

The high quality of the program – which was guaranteed by the presence of an unparalleled number of internationally recognized top experts – can be assessed when reading the contents of the program. The conference was therefore a unique event, where attendees appreciated the latest results in their field of expertise, and acquired additional knowledge in other fields. The program was structured to favor interactions among attendees coming from many diverse

horizons, scientifically, geographically, from academia and from industry. Social events at prestigious sites favored interactions among the attendees.

We would like to thank the program chairs, organization staff, and the members of the program committees for their work.

We are grateful to all those who have contributed to the success of ICMV 2011. We hope that all participants and other interested readers benefit scientifically from these proceedings and also find it stimulating in the process. Finally, we would like to wish you success in your technical presentations and social networking.

We hope that you had a unique, rewarding, and enjoyable week at ICMV 2011 in Singapore.

With our warmest regards,

**The Organizing Committees  
9–10 December 2011  
Singapore**