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Xie Yi**  
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## Introduction

The organizing committee warmly welcomed our distinguished delegates and guests to the 2013 fifth International Conference on Digital Image Processing (ICDIP 2013) held 21–22 April 2013 in Beijing, China.

The ICDIP 2013 was sponsored by the International Association of Computer Science and Information Technology (IACSIT), and supported by the Chinese Academy Sciences. The conference was organized to gather members of our international community scientists so that researchers from around the world could present their cutting edge work, expanding our community's knowledge and insight into the significant challenges currently being addressed in that research. The conference program committee was quite diverse and truly international, with membership from the Americas, Europe, Asia, Africa, and Oceania.

This Proceedings volume contains fully refereed papers presented at the ICDIP 2013. The main conference themes and tracks are digital image processing. The main goal of these events was to provide an international scientific forum 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 digital image processing and outward research, multidisciplinary, interdisciplinary, and applications were 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 selection were 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 conference was a unique event, where attendees were able to appreciate the latest results in their field of expertise, and to acquire 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.

We are grateful to all those who have contributed to the success of ICDIP 2013. We would like to thank the program chairs, organization staff, and the members of the program committees for their work. Thanks also go to the SPIE staff, for their great support on the proceedings publication. We hope that all participants and other interested readers benefit scientifically from these Proceedings and also find it stimulating in the process.

Finally, we hope that all participants had a unique, rewarding, and enjoyable week at ICDIP 2013 in Beijing, China.

**Prof. Yulin Wang**  
**General Chairman of ICDIP 2013**  
**on behalf of the ICDIP 2013 Organizing Committees**