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Front Matter: Volume 8768

, "Front Matter: Volume 8768," Proc. SPIE 8768, International Conference on Graphic and Image Processing (ICGIP 2012), 876801 (20 March 2013); doi: 10.1117/12.2021163

SPIE.

Event: 2012 International Conference on Graphic and Image Processing, 2012, Singapore, Singapore

PROCEEDINGS OF SPIE

International Conference on Graphic and Image Processing (ICGIP 2012)

Zeng Zhu
Editor

6–7 October 2012
Singapore

Organized by
International Association of Computer Science and Information Technology (IACSIT)

Sponsored by
Wuhan University (China)

Published by
SPIE

Part One of Three Parts

Volume 8768

Proceedings of SPIE 0277-786-786X, v. 8768

SPIE is an international society advancing an interdisciplinary approach to the science and application of light.

International Conference on Graphic and Image Processing (ICGIP 2012),
edited by Zeng Zhu, Proc. of SPIE Vol. 8768, 876801 · © 2013 SPIE
CCC code: 0277-786X/13/\$18 · doi: 10.1117/12.2021163

Proc. of SPIE Vol. 8768 876801-1

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Please use the following format to cite material from this book:

Author(s), "Title of Paper," in *International Conference on Graphic and Image Processing (ICGIP 2012)*, edited by Zeng Zhu, Proceedings of SPIE Vol. 8768 (SPIE, Bellingham, WA, 2013) Article CID Number.

ISSN: 0277-786X

ISBN: 9780819495662

Published by

SPIE

P.O. Box 10, Bellingham, Washington 98227-0010 USA

Telephone +1 360 676 3290 (Pacific Time) · Fax +1 360 647 1445

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Printed in the United States of America.

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Introduction

Dear Distinguished Delegates and Guests,

The Organizing Committee warmly welcomes our distinguished delegates and guests to the 2012 4th International Conference on Graphic and Image Processing (ICGIP 2012) held on October 6-7, 2012, in Singapore.

The ICGIP 2012 is organized and sponsored by International Association of Computer Science and Information Technology (IACSIT). The ICGIP 2012 is organized to gather members of our international community of scientists so that researchers from around the world can present their cutting-edge work, expanding our community's knowledge and insight into the significant challenges that are currently being addressed. The Conference Program Committee is itself quite diverse and truly international with membership from the Americas, Europe, Asia, Africa and Oceania.

These Proceedings record the fully refereed papers presented at the conference. The main conference themes and tracks were graphic and image processing. The main goal of these events is to provide an international scientific forum for the exchange of new ideas in a number of fields and in-depth interaction through discussion with peers from around the world. Both inward research; core areas of graphic and image processing and outward research; multi-disciplinary, interdisciplinary, and applications will be covered during these events.

The conference has solicited and gathered technical research submissions related to all aspects of major conference themes and tracks. All the submitted papers in the 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 selected papers and additional late-breaking contributions to be presented as lectures will make an exciting technical program. The conference program is extremely rich, featuring high-impact presentations.

The high quality of the program—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 will therefore be a unique event, where attendees will be able to appreciate the latest results in their field of expertise, and to acquire additional knowledge in other fields. The program has been structured to favor interactions among attendees coming from many

diverse horizons, scientifically, geographically, from academia and from industry. Included in this are social events at prestigious sites.

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 ICGIP 2012. We hope that all participants and other interested readers benefit scientifically from the proceedings and also find it stimulating in the process. Finally, we hope you found success in your technical presentations and social networking.

We hope you had a unique, rewarding and enjoyable weekend at ICGIP 2012 in Singapore.

With our warmest regards,

Wang Yulin