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# Image Analysis and Recognition

7th International Conference, ICIAR 2010
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Proceedings, Part II

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# Preface

ICIAR 2010, the International Conference on Image Analysis and Recognition, held in Póvoa do Varzim, Portugal, June 21-23, was seventh in the ICIAR series of annual conferences alternating between Europe and North America. The idea of organizing these conferences was to foster the collaboration and exchange between researchers and scientists in the broad fields of image analysis and pattern recognition, addressing recent advances in theory, methodology and applications. During the years the conferences have become a forum with a strong participation from many countries. This year, ICIAR was organized along with AIS 2010, the International Conference on Autonomous and Intelligent Systems. Both conferences were organized by AIMI—Association for Image and Machine Intelligence.

For ICIAR 2010, we received a total of 164 full papers from 37 countries. The review process was carried out by members of the Program Committee and other reviewers; all are experts in various image analysis and pattern recognition areas. Each paper was reviewed by at least two reviewers, and checked by the Conference Chairs. A total of 89 papers were finally accepted and appear in the two volumes of these proceedings. The high quality of the papers is attributed first to the authors, and second to the quality of the reviews provided by the experts. We would like to sincerely thank the authors for responding to our call, and to thank the reviewers for their careful evaluation and feedback provided to the authors. It is this collective effort that resulted in the strong conference program and high-quality proceedings.

This year included a competition on "Fingerprint Singular Points Detection" and a challenge on "Arabidopsis Thaliana Root Cell Segmentation Challenge," which attracted the attention of ICIAR participants.

We were very pleased to be able to include in the conference program keynote talks by three well-known experts: Alberto Sanfeliu, Universitat Politècnica de Catalunya, Spain; Edwin Hancock University of York, UK and José Santos-Victor, Institute for Systems and Robotics, Instituto Superior Técnico, Portugal. We would like to express our sincere gratitude to the keynote speakers for accepting our invitation to share their vision and recent advances in their specialized areas.

We would like to thank Khaled Hammouda, the webmaster of the conference, for maintaining the Website, interacting with the authors and preparing the proceedings. Special thanks are also due to the members of the local Organizing Committee for their advice and help. We are also grateful to Springer's editorial staff, for supporting this publication in the LNCS series. We would like to acknowledge the professional service of Viagens Abreu in taking care of the registration process and the special events of the conference.

Finally, we were very pleased to welcome all the participants to ICIAR 2010. For those who did not attend, we hope this publication provides a good view into the research presented at the conference, and we look forward to meeting you at the next ICIAR conference.

June 2010

Aurélio Campilho
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