

Preface

These are the proceedings of the 12th edition of ICIAR. This series of annual conferences offers an opportunity for the participants to interact and present their latest research in theory, methodology, and applications of image analysis and recognition. ICIAR 2015, the International Conference on Image Analysis and Recognition, was held in Niagara Falls, Canada, July 22–24, 2015. ICIAR is organized by AIMI — Association for Image and Machine Intelligence — a not-for-profit organization registered in Ontario, Canada.

For ICIAR 2015, we received a total of 80 papers, 69 regular and 11 short papers, from 24 countries. Before the review process all the papers were checked for similarity using a comparison database of scholarly work. The review process was carried out by members of the Program Committee and other reviewers. Each paper was reviewed by at least two reviewers, and checked by the conference chairs. A total of 60 papers (55 regular and five short) were finally accepted and appear in these proceedings. We would like to sincerely thank the authors for responding to our call, and we thank the reviewers for the careful evaluation and feedback provided to the authors. It is this collective effort that resulted in the strong conference program and high-quality proceedings.

We were very pleased to include three outstanding keynote talks: “Computational Inference of Emotion in Images: A Final Frontier and a Data-Intensive Approach” by Jiebo Luo, University of Rochester, USA; “Relating Retinal Anatomy, Pathology, Function, and Therapy Guidance: Precision Medicine via Analysis of Ophthalmic 3D OCT” by Milan Sonka, University of Iowa, USA; and “Objective Image Quality Assessment ? Current Status and What's Beyond” by Zhou Wang, University of Waterloo, Canada. We would like to express our gratitude to the keynote speakers for accepting our invitation to share their vision and recent advances in their areas of expertise.

We would like to thank Khaled Hammouda, the webmaster of the conference, for maintaining the website, interacting with the authors, and preparing the proceedings.

We are also grateful to Springer’s editorial staff, for supporting this publication in the LNCS series. We would also like to acknowledge the professional service of Cathie Lowell 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 2015. For those who were not able to 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.

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Mohamed Kamel
Aur lio Campilho

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