ICISP 2016, the International Conference on Image and Signal Processing, was the seventh ICISP conference, and was held in Trois-Rivières, Québec, Canada. Historically, ICISP is a conference resulting from the actions of researchers from Canada, France, and Morocco. Previous editions of ICISP were held in Cherbourg-Octeville (France, 2014 and 2008), in Trois-Rivières, Québec (Canada, 2010), and in Agadir (Morocco, 2012, 2003, and 2001). ICISP 2016 was sponsored by EURASIP (European Association for Image and Signal Processing) and IAPR (International Association for Pattern Recognition).

The response to the call for papers for ICISP 2016 was encouraging. From 83 recorded submissions, 40 papers were finally accepted. The review process was carried out by the Program Committee members; all are experts in various image and signal processing areas. Each paper was reviewed by at least two reviewers, and also checked by the conference co-chairs. The quality of the papers in these proceedings is attributed first to the authors, and second to the standard of the reviews provided by the experts. We would like to thank the authors for responding to our call, and we thank the reviewers for their excellent work.

For this edition, ICISP was pleased to host the 18th International Symposium on Multispectral Colour Science (MCS 2014) as a special track, as well as the special session Digital Cultural Heritage (scientifically supported by the COST action TD 1201; Colour and Space in Cultural Heritage — COSCH).

We were very pleased to be able to include in the conference program keynote talks by three world-renowned experts: Jocelyn Chanussot (University of Grenoble, France, and currently Guest Researcher at UCLA, USA), Roland Memisevic (University of Montreal, Canada) and Robert Laganiere (University of Ottawa, Canada).

We would also like to thank the members of the local Organizing Committee for their advice and help. We would like to thank Olivier Lézoray for his advice and all the material he provided for preparing this volume of proceedings. The proceedings preparation was also eased thanks to the tools provided by the EasyChair platform.

We are also grateful to Springer’s editorial staff for supporting this publication in the LNCS series. Finally, we were very pleased to welcome all the participants to this conference. 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 edition of the ICISP conference.

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Alamin Mansouri
Fathallah Nouboud
Alain Chalifour
Driss Mammass
Jean Meunier
Abderrahim El Moataz
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