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Pattern Recognition

8th Mexican Conference, MCPR 2016
Guanajuato, Mexico, June 22–25, 2016
Proceedings

Springer
Preface

The Mexican Conference on Pattern Recognition 2016 (MCPR 2016) was the eighth event in the series organized by the Computer Science Department of the National Institute for Astrophysics Optics and Electronics (INAOE) of Mexico. This year the conference was jointly organized with the University of Guanajuato, under the auspices of the Mexican Association for Computer Vision, Neurocomputing and Robotics (MACVNR), which is a member society of the International Association for Pattern Recognition (IAPR). MCPR 2016 was held in Guanajuato, Mexico, during June 22–25, 2016.

This conference aims to provide a forum for the exchange of scientific results, practice, and new knowledge, as well as to promote collaboration among research groups in pattern recognition and related areas in Mexico and around the world.

As in previous years, MCPR 2016 attracted not only Mexican researchers but also worldwide participation. We received contributions from 13 countries. In total, 60 manuscripts were submitted, out of which 34 were accepted for publication in these proceedings and for presentation at the conference. Each of these submissions was strictly peer-reviewed by at least two members of the Program Committee, all of them experts in their respective fields of pattern recognition, which resulted in these excellent conference proceedings.

We were very honored to have as invited speakers the following internationally recognized researchers:

- Prof. Michel Devy, Laboratoire d’Analyse et d’Architecture des Systèmes, LAAS-CNRS, France
- Prof. Theo Gevers, Informatics Institute, University of Amsterdam, The Netherlands
- Prof. Balakrishnan Prabhakaran, Department of Computer Science, University of Texas at Dallas, USA

These distinguished researchers gave keynote addresses on various pattern recognition topics and also presented enlightening tutorials during the conference. To all of them, we express our appreciation for these presentations.

This conference has been possible thanks to the efforts of many people. We express our gratitude to them all. In particular, we extend our gratitude to all authors who submitted their papers to the conference and our regrets to those we turned down. We would like to thank to all Program Committee members and additional reviewers for their efforts and the quality of their reviews. Their work allowed us to maintain the high quality of the conference and provided a conference program of high standard. We would also like to thank Springer for giving us the opportunity of continuing to publish MCPR proceedings in the LNCS series. Finally, but not less important, our thanks go to the University of Guanajuato for providing a key support to this event.
The authors of selected papers were invited to submit extended versions of their papers for a special issue of the *International Journal of Pattern Recognition and Artificial Intelligence* published by World Scientific.

We are sure that MCPR 2016 provided a fruitful forum for the Mexican pattern recognition researchers and the broader international pattern recognition community.

June 2016

José Francisco Martínez-Trinidad
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## Organization

MCPR 2016 was sponsored by the University of Guanajuato and the Computer Science Department of the National Institute of Astrophysics, Optics and Electronics (INAOE).

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