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Pattern Recognition

12th Mexican Conference, MCPR 2020
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Proceedings

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Preface

The Mexican Conference on Pattern Recognition 2020 (MCPR 2020) was the 12th event in the series organized by Facultad de Ingeniería Eléctrica and Facultad de Ciencias Físico Matemáticas of Universidad Michoacana de San Nicolás de Hidalgo and the Computer Science Department of the National Institute for Astrophysics Optics and Electronics (INAOE) of Mexico, 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 2020 was due to be held in Morelia, Mexico, during 24–27, 2020.[1]

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

In this edition, as in previous years, MCPR 2020 attracted not only Mexican researchers but it also included worldwide participation. We received contributions from 17 countries. In total 67 manuscripts were submitted, out of which 31 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.

Beside the presentation of the selected contributions, we were very honored to have three outstanding invited speakers:

- Prof. René Vidal, Mathematical Institute for Data Science, The Johns Hopkins University, USA
- Prof. Ricardo Baeza-Yates, Graduate Data Science Programs, Northeastern University at Silicon Valley, USA
- Prof. Salvador Elías Venegas-Andraca, School of Engineering and Sciences, Tecnológico de Monterrey, Mexico

These distinguished researchers gave keynote addresses on various Pattern Recognition topics during the conference. To all of them, we express our appreciation for these presentations.

We would like to thank all the people who devoted so much time and effort to the successful running of the conference. In particular, we extend our gratitude to all the authors who contributed to the conference. We are also very grateful for the efforts and the quality of their reviews of all Program Committee members and additional reviewers. Their work allowed us to maintain the high-quality standard of the conference and provided a conference program of high standard. Finally, but not less important, our thanks go to the Universidad Michoacana de San Nicolás de Hidalgo for providing key support to this event.

[1] The conference was held virtually due to the COVID-19 pandemic.

We are sure that MCPR 2020 provided a fruitful forum for the Mexican Pattern Recognition researchers and the broader international Pattern Recognition community.

June 2020

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Organization

MCPR 2020 was sponsored by Facultad de Ingeniería Eléctrica and Facultad de Ciencias Físico Matemáticas of Universidad Michoacana de San Nicolás de Hidalgo and the Computer Science Department of the National Institute of Astrophysics, Optics and Electronics (INAOE).

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