

Preface

This volume of *Advances in Intelligent and Soft Computing* contains accepted papers presented at the *10th International Conference on Soft Computing Models in Industrial and Environmental Applications* (SOCO 2015), held in the beautiful and historic city of Burgos (Spain), in June 2015.

Soft computing represents a collection or set of computational techniques in machine learning, computer science, and some engineering disciplines, which investigate, simulate, and analyze very complex issues and phenomena. This conference is mainly focused on its industrial and environmental applications.

After a through peer-review process, the SOCO 2015 International Program Committee selected 41 papers, written by authors from 15 different countries. These papers are published in present conference proceedings, achieving an acceptance rate of 40 %.

The selection of papers was extremely rigorous in order to maintain the high quality of the conference and we would like to thank the members of the International Program Committees for their hard work during the review process. This is a crucial issue for creation of a high standard conference, and the SOCO conference would not exist without their help.

SOCO'15 enjoyed outstanding keynote speeches by distinguished guest speakers: Prof. Senén Barro—University of Santiago de Compostela (Spain), and Prof. Hans J. Briegel—University of Innsbruck (Austria).

For this SOCO'15 edition, as a follow-up of the conference, we anticipate further publication of selected papers in a special issue of the following prestigious journals: *Neurocomputing* (published by Elsevier), *Soft Computing: A Fusion of Foundations, Methodologies and Applications* (published by Springer), *Journal of Multiple-Valued Logic and Soft Computing* (published by Old City Publishing), and *Journal of Applied Logic* (published by Elsevier).

Particular thanks go as well to the conference main sponsors, IEEE—Spain Section, IEEE Systems, Man and Cybernetics—Spanish Chapter, and The International Federation for Computational Logic, who jointly contributed in an active and constructive manner to the success of this initiative. We want also to extend our

warm gratitude to all the Special Sessions chairs for their continuing support to the SOCO Series of conferences.

We would like to thank all the Special Session organizers, contributing authors, as well as the members of the Program Committees and the Local Organizing Committee for their hard and highly valuable work. Their work has helped to contribute to the success of the SOCO 2015 event. We are proud of successfully organizing the *tenth edition* of this remarkable and appealing conference.

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