

# **Advances in Intelligent Systems and Computing**

Volume 299

*Series editor*

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Bilbao, Spain, June 25th–27th, 2014,  
Proceedings

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ISSN 2194-5357

ISBN 978-3-319-07994-3

DOI 10.1007/978-3-319-07995-0

Springer Cham Heidelberg New York Dordrecht London

ISSN 2194-5365 (electronic)

ISBN 978-3-319-07995-0 (eBook)

Library of Congress Control Number: 2014941208

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Printed on acid-free paper

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# Preface

This volume of *Advances in Intelligent and Soft Computing* contains accepted papers presented at SOCO 2014, CISIS 2014 and ICEUTE 2014, all conferences held in the beautiful and historic city of Bilbao (Spain), in June 2014.

Soft computing represents a collection or set of computational techniques in machine learning, computer science and some engineering disciplines, which investigate, simulate, and analyse very complex issues and phenomena.

After a through peer-review process, the 9<sup>th</sup> SOCO 2014 International Program Committee selected 31 papers which are published in these conference proceedings, and represents an acceptance rate of 42%. One special session was organized related to relevant topics as: *Soft Computing Methods in Manufacturing and Management Systems*.

The aim of the 7<sup>th</sup> CISIS 2014 conference is to offer a meeting opportunity for academic and industry-related researchers belonging to the various, vast communities of Computational Intelligence, Information Security, and Data Mining. The need for intelligent, flexible behaviour by large, complex systems, especially in mission-critical domains, is intended to be the catalyst and the aggregation stimulus for the overall event.

After a through peer-review process, the CISIS 2014 International Program Committee selected 23 papers which are published in these conference proceedings achieving an acceptance rate of 35%.

In the case of 5<sup>th</sup> ICEUTE 2014, the International Program Committee selected 2 papers, which are published in these conference proceedings.

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 Program Committees for their hard work in the reviewing process. This is a crucial process to the creation of a high standard conference and the SOCO, CISIS and ICEUTE conferences would not exist without their help.

SOCO'14, CISIS'14 and ICEUTE'14 enjoyed outstanding keynote speeches by distinguished guest speakers: Prof. Antonio Bahamonde - University of Oviedo (Spain), and Prof. Davide Balzarotti - Eurecom Graduate School and Research Center (France).

SOCO'14 has teamed up with the Neurocomputing (ELSEVIER), and Journal of Applied Logic (ELSEVIER), journals for a suite of special issues including selected papers from SOCO'14.

For this CISIS'14 special edition, as a follow-up of the conference, we anticipate further publication of selected papers in a special issue of the prestigious Logic Journal of the IGPL Published by Oxford Journals.

Particular thanks go as well to the Conference main Sponsors, IEEE-Sección España, IEEE Systems, Man and Cybernetics-Capítulo Español, AEPIA, Gobierno Vasco, Diputación Foral de Bizkaia, Ayuntamiento de Bilbao, MIR Labs, 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, CISIS and ICEUTE 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 2014, CISIS 2014 and ICEUTE 2014 events.

June 2014

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