



# Advances in Intelligent and Soft Computing

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# Soft Computing Models in Industrial and Environmental Applications, 6th International Conference SOCO 2011

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# Preface

This volume of *Advances in Intelligent and Soft Computing* contains accepted papers presented at SOCO 2011 held in the beautiful and historic city of Salamanca, Spain, April 2011.

SOCO 2011 has received more than 100 technical submissions. After a thorough peer-review process, the International Program Committee selected 64 papers which are published in these conference proceedings. In this relevant edition a special emphasis was put on the organization of special sessions. Four special sessions were organized related to relevant topics as: Optimization and Control in Industry, Speech Processing and Soft Computing, Systems, Man & Cybernetics and Soft Computing for Medical Applications.

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 Committee for their hard work in the reviewing process. This is a crucial process to the creation of a conference high standard and the SOCO conference would not exist without their help.

SOCO 2011 enjoyed outstanding keynote speeches by distinguished guest speakers: Dr. Amy Neustein - Linguistic Technology Systems (USA) and Prof. Ajith Abraham - Machine Intelligence Research Labs (MIR Labs), Europe.

For this special edition, as a follow-up of the conference, we anticipate further publication of selected papers in special issues of prestigious international journal as *Neurocomputing* (ELSEVIER), *Expert Systems-The Journal of Knowledge Engineering* (WILEY-BLACKWELL) and *International Journal of Speech Technology* (SPRINGER).

Particular thanks go as well to the Workshop main Sponsors, IEEE Sección España, IEEE.- Systems, Man and Cybernetics-Spanish Chapter, The International Federation for Computational Logic and MIR labs.

We would like to thank all the special session organizers, contributing authors, as well as the members of the Program Committee and the Local Organizing Committee for their hard and highly valuable work. Their work has helped to contribute to the success of the SOCO 2011 event.

April 2011

The editors  
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