

Call for Papers

SOCO 2010 CONFERENCE

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 workshop is mainly focused on its industrial applications.

SOCO 2010 is the 5th International Workshop on Soft Computing Models in Industrial Applications and provides interesting opportunities to present and discuss the latest theoretical advances and real-world applications in this multidisciplinary research field.

SOCO 2010 will be held in the beautiful and historic city of Guimarães, Portugal, nominated by UNESCO as a World Cultural Heritage. With exceptional opportunities for sightseeing and gastronomy, Guimarães is a wonderful venue for a great workshop.

SUBMISSION INSTRUCTIONS

Everyone interested in participating and presenting his work in this workshop may do so by sending a contribution. There are three possibilities:

1. Long papers consisting of original, relevant and previously unpublished sound research results, related to any of the topics of the conference, with a maximum of 8 (eight) pages.
2. Short papers can be project reports, a summary of a PhD thesis or work in progress, with no more than 4 (four) pages.
3. Doctoral consortium PhD students are invited to present the topic and progress of their research, in order to obtain feedback from a panel of experts. The length of these papers should not exceed 8 (eight) pages.

Papers should be written in English.

PAPERS FORMAT

Papers must be prepared according to Springer's templates (MS-Word or LaTeX format) for the Advances in Intelligent and Soft Computing volume series (www.springer.com/series/4240).

PUBLICATION

All accepted papers will be published in a special volume of Advances in Intelligent and Soft Computing (Springer), indexed by ISI Proceedings, DBLP and Springerlink, among others.

For each paper, at least one author is required to register and attend the workshop to present the paper, so as to have it included in the workshop proceedings.

SUBMITTING PAPERS

In order to submit a paper, authors must register at SOCO 2010 conference management system (cmt.research.microsoft.com/SOCO2010). All papers must be submitted in electronic format (PDF format, word document or latex and images).

IMPORTANT DATES

Paper submission deadline	8 th February, 2010
Notification of acceptance	8 th March, 2010
Final version submission	29 th March, 2010
SOCO 2010 Conference	16 th -18 th June, 2010

Call for Papers

TOPICS

The topics of interest include, but are not limited to:

- Causal Models
- Case-based Reasoning
- Chaos Theory Fuzzy Computing
- Evolutionary Computing
- Neuro Computing
- Probabilistic Computing
- Immunological Computing
- Hybrid Methods
- Intelligent Agents and Agent Theory
- Interactive Computational Models

The application fields of interest cover, but are not limited to:

- Decision Support
- Process and System Control
- System Identification and Modelling
- Optimization
- Signal or Image Processing
- Vision or Pattern Recognition
- Condition Monitoring
- Fault Diagnosis
- Systems Integration
- Internet Tools
- Human-Machine Interface
- Time Series Prediction
- Robotics
- Motion Control & Power Electronics
- Biomedical Engineering
- Virtual Reality
- Reactive Distributed AI
- Telecommunications
- Consumer Electronics
- Industrial Electronics
- Manufacturing Systems
- Power and Energy
- Data Mining
- Data Visualisation
- Intelligent Information Retrieval
- Bio-inspired Systems
- Autonomous Reasoning
- Intelligent Agents

SCIENTIFIC COMMITTEE CHAIRS

Emilio Corchado, University of Burgos, Spain

ORGANIZING COMMITTEE CHAIRS

Paulo Novais, CCTC/University of Minho, Portugal

Cesar Analide, CCTC/University of Minho, Portugal

CONTACTS

e-mail: soco2010@di.uminho.pt

Website: soco2010.di.uminho.pt