



# 12th Online World Conference on Soft Computing in Industrial Applications

October 16 - 26, 2007

## SECOND Call for Papers

### GENERAL INFORMATION ABOUT WSC12

Original papers are invited for **the 12<sup>th</sup> Online World Conference on Soft Computing in Industrial Applications (WSC12)** to be held on the Internet. Continuing a tradition started over a decade ago by the **World Federation of Soft Computing** (<http://www.softcomputing.org/>), the WSC12 conference aims at bringing together outstanding research and developments in the field of soft computing (evolutionary computation, fuzzy logic, neural networks, Bayesian networks, and their fusion) and its applications, from across the world. Papers will be published on-line with the dual benefits of rapid dissemination and reduced cost. As with the previous conferences, Springer-Verlag has agreed to publish papers accepted for publication at WSC12 as an edited volume (with ISBN), after the conference. Furthermore, significantly revised and extended versions of selected papers from the conference will be invited for a "fast track" submission to the Elsevier Science Applied Soft Computing Journal ([http://www.elsevier.com/wps/find/journaldescription.cws\\_home/621920/description#description](http://www.elsevier.com/wps/find/journaldescription.cws_home/621920/description#description)).

During the conference, interactive discussions will be hosted between the authors and participants over the Internet. The registration to the conference is open to all (academics, students and industrial/commercial parties) and is completely free of charge.

The WSC12 Program Committee would also like to invite proposals for special sessions to be held during the conference [submission of special sessions is now closed]. All special sessions are to be organized around a specific topic in order to encourage in-depth discussions. Special sessions will be an integral part of the conference. WSC12 is now also inviting online tutorial proposals in topics related to soft computing in industrial applications. All accepted online tutorials will be held during the dates for WSC12.

### IMPORTANT DATES

#### May 15, 2007

Deadline for Submissions of Special Session proposals and Tutorials. **[closed]**

#### ~~June 1, 2007~~ June 15, 2007

\*\*\* EXTENDED \*\*\* Deadline for on-line submissions of regular papers.

**July 31, 2007**

Acceptance/rejection notification

**September 14, 2007**

Submission of full papers and online presentations

**October 16 – October 26, 2007**

Online conference

**December 1, 2007**

Submission of camera-ready papers for final review

**Conference URL:** <http://www.softcomputing.org/wsc12>

## TOPICS OF INTEREST

Submissions are invited in, but not limited to, any of the following areas:

### **Soft Computing Techniques:**

- Soft Computing for Modeling, Control, and Optimization
- Fuzzy Control
- Artificial Neural Networks
- Evolutionary Computing: Genetic Algorithms and Genetic Programming
- Neuro-Fuzzy Systems
- Genetic Fuzzy Systems
- Neuro-Fuzzy-Genetic Systems
- Software Agent Systems and Architectures
- Ant Colony Optimization
- Fuzzy Information Fusion
- Rough Sets
- Bayesian Networks
- Fuzzy Image Processing
- Bio-inspired Systems
- Support Vector Machines

### **Application Areas:**

- Intelligent Information Retrieval
- Data Mining
- Robotics
- Fault Diagnosis
- Bioinformatics
- Web Intelligence
- Speech Processing
- Business Information Systems
- Knowledge Management
- Evolvable Hardware and Software
- Image and Signal Processing
- Pattern Recognition
- Traffic and Transportation Systems

## BEST PAPER AWARD

We are happy to announce a Best Paper Award to honor the author(s) of a paper of exceptional merit dealing with a subject related to the Conference's scope. All papers presented at the WSC12 conference will automatically enter the competition. The award winner(s) will be announced at the end of the conference.

## INSTRUCTIONS FOR THE SUBMISSION OF REGULAR PAPERS

Authors should submit their papers to by June 15, 2007 (extended deadline). Papers should be submitted in PDF format and formatted according to the author's instructions that will be found at the conference web site (<http://www.softcomputing.org/wsc12>). Each paper should not exceed 10 pages in length. The submission should include: (i) the contact details of the correspondence author (Name, Address, Phone, Fax, email address, and homepage), and (ii) up to five keywords.

## **SUBMISSION OF SPECIAL SESSION PROPOSALS**

The submission of special session proposals is closed.

## **INSTRUCTIONS FOR THE SUBMISSION OF ONLINE TUTORIALS AND SURVEY PAPERS**

Online tutorials and survey paper submissions are welcome. If you plan to provide a tutorial or survey paper, please follow the same guidelines and deadline as for regular papers. Upload the tutorial paper (not the slides) or survey paper via the website ([www.softcomputing.org/wsc12](http://www.softcomputing.org/wsc12)). It is planned to include accepted tutorial and survey papers in the WSC12 conference book. Each tutorial or survey paper should not exceed 5 pages in length. If you have any questions about this, please get in touch with the WSC12 Organizers ([Erel.Avineri@uwe.ac.uk](mailto:Erel.Avineri@uwe.ac.uk), [mkoeppe@ieee.org](mailto:mkoeppe@ieee.org)).

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### **SPONSORSHIP OPPORTUNITIES**

The registration to the WSC12 conference is free of charge, and its organization is completely voluntarily. We are looking for companies to help with sponsoring the event and with the provision of services for the conference. If you are interested in sponsoring the WSC12 conference please contact the Conference Chair, Dr Erel Avineri, e-mail: [Erel.Avineri@uwe.ac.uk](mailto:Erel.Avineri@uwe.ac.uk)