



11th Online World Conference on Soft Computing in Industrial Applications (WSC11) Call for Papers

WORLD FEDERATION
ON SOFT COMPUTING

GENERAL INFORMATION ABOUT WSC11

Original papers are invited for the 11th Online World Conference on Soft Computing in Industrial Applications (WSC11), to be held on the World Wide Web. WSC11 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 previous WSC conferences, Springer-Verlag has agreed to publish papers accepted for publication at WSC11 as an edited volume (with ISSN), after the conference. Furthermore, significantly revised and extended versions of a select set of papers from the conference will be invited for a "fast track" submission to the Elsevier Science (<http://www.elsevier.com/>) Applied Soft Computing Journal. During the conference, interactive discussions will be hosted between the authors and participants over the Internet. There will be a number of mirror sites around the world to ensure easy and rapid access to this major event from all locations. The registration to the conference is open to all (academics, students and industrial/commercial parties) and is completely free of charge. The WSC11 Program Committee would also like to invite proposals for special sessions to be held during the conference. 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. WSC11 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 WSC11. Conference related information will be posted at: <http://www.gtsav.gatech.edu/drl/wsc11>.

Important Dates

March 1, 2006

WSC11 conference web site open for online registration and for paper submissions. Information about the web site will be available at: <http://www.gtsav.gatech.edu/drl/wsc11>.

May 1, 2006

Deadline for submissions of regular papers in electronic form via the conference web site. Authors are also encouraged to submit multi-media demonstrations (including simulation software, video clips, Java applets, ... etc.)

June 30, 2006

Acceptance/Rejection Notification

August 15, 2006

Submission of final version of full papers and presentations in electronic form.

September 18 – October 6, 2006

WSC11 held Online.

November 11, 2006

Submission of camera-ready papers for final review and publication in the edited conference book.

TOPICS OF INTEREST

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

Advances in Soft Computing Techniques (including but not limited to):

. Artificial Neural Networks	. Swarm Intelligence
. Evolutionary Computing: - Genetic Algorithms - Genetic Programming	. Bio-inspired Techniques; coevolutionary learning, artificial life, autoassociative and content-addressable memory, ...
. Fuzzy Logic Systems	. Hybrid Techniques; e.g.:
. Probabilistic Reasoning and Bayesian Networks	- Neuro-Fuzzy Systems
. Machine Learning; e.g. Reinforcement Learning	- Genetic Fuzzy Systems
. Fuzzy Information Fusion	- Evolving Neural Networks
. Rough Sets	- Evolving Bayesian Networks
. Support Vector Machines	- Evolving Neuro-Fuzzy Systems
. Evidence Sets	. Interval Computations

Application of Soft Computing to the Following Areas (including but not limited to):

. System Modeling	. Bioinformatics
. Feedback Control Systems	. Traffic and Transportation Systems
. Optimization	. Web Intelligence
. Autonomous Robotics	. Video, Image, and Speech Processing
. Classifiers	. Business and Financial Applications
. Industrial Diagnosis and Prognosis	. Knowledge Discovery
. Intelligent Information Retrieval	. Pattern Recognition
. Embedded Real-Time Systems	. Video Games
. Data Mining	. Decision Support Systems
. Industrial Diagnosis and Prognosis	. Evolvable Hardware and Software
. Networks and Wireless Sensor Networks	. Intelligent Data Analysis

INSTRUCTIONS FOR THE SUBMISSION OF REGULAR PAPERS

Authors should submit their papers via the conference web site by May 1, 2006. Papers should be submitted in PDF format and formatted according to the Springer author's instructions. Each paper should not exceed 10 pages in length. Additional information can be found at: <http://www.gtsav.gatech.edu/drl/wsc11>. The submission should include: (i) the contact details of the correspondence author (Name, Address, Phone, Fax, email address, and Web homepage), and (ii) up to five keywords. Please direct your inquiries to Dr. Ashraf Saad (ashraf.saad@gatech.edu), General Chair of WSC11, and/or to Dr. Erel Avineri (erel.avineri@uwe.ac.uk), Program Chair of WSC11.

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