



Budapest, Hungary



**World Automation Congress
(WAC) 2006**

**International Symposium on
Soft Computing for Industry
(ISSCI)**

**Special Session on Military Applications
of Soft computing Methods**



20th Anniversary
<http://wacong.org/wac2006>

Call for Papers

Special Session on Military Applications of Soft computing Methods
July 24-27, 2006
Budapest Hilton
Budapest, HUNGARY

Dear Colleagues,

The organizing Committee is pleased to invite you to submit a draft paper on WAC-Style to the ISSCI as a part of World Automation Congress (WAC) 2006. All accepted papers will be published in the respective conference proceedings and there are also some special issues for international Journals.

The following journals can be reached to sponsor special issues based on WAC 2006 extended papers before or after the Congress in Budapest:

- The International Journal on Intelligent Automation and Soft Computing AutoSoft (Official journal of WAC, going strong in its 11th year)
www.cybermesa.com/~js/autosoftmain.html
- International Journal on Computers and Electrical Engineering
(www.elsevier.com/locate/compeleceng)
- Intelligent and Fuzzy Systems (IOS Press, Netherlands)
- Journal of Intelligent Manufacturing
- Intelligent and Autonomous Systems

Authors are invited to submit full papers before December 1, 2005. Each full paper submitted must contain the following information: full title of the paper, names and affiliations, complete address (including e-mail, fax, phone and phone of the corresponding author). For further information about the layout of your papers, check the author's Kit link on the left menu of <http://www.wacong.com/Wac2006/>

Please email your submission to the Chair of this session (see below for email addresses) and also upload through electronic submission.

Introduction to Special Session on Military Applications of Soft computing Methods

The guiding principle of soft computing is: Exploit the tolerance for imprecision, uncertainty, partial truth, and approximation to achieve tractability, robustness and low solution cost and solve the fundamental problem associated with the current technological development: the lack of the required intelligence of the recent information technology that enables human-centred functionality. The inclusion of neural computing and genetic computing in soft computing came at a later point. At this juncture, the principal constituents of Soft Computing (SC) are:

- Fuzzy Systems (FS), including Fuzzy Logic (FL);
- Evolutionary Computation (EC), including Genetic Algorithms (GA);
- Neural Networks (NN), including Neural Computing (NC);
- Machine Learning (ML);
- Probabilistic Reasoning (PR).

In this session, we introduce the study and application of artificial intelligence, and its application to military and strategic domains. It provides an executive level overview of various Artificial Intelligence (AI) technologies including knowledge-based systems, neural networks, genetic algorithms, intelligent agents, and natural language processing.

Scope

Topics of interests include:

Intelligent Systems

Artificial Intelligence for Military Applications

Search and Detection

Predicting Effects

Theory of optimal search

Important Dates:

Submission of full papers until	December 1, 2005
Acceptance:	December 31, 2005
Camera-ready manuscripts and deposit payments due:	January 15, 2006
Early Registration due date:	March 20, 2006
Conference:	July 25 - 28, 2006

Session Contact:

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Chair of ISSCI 2006:

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For more Information, Please check the conference website at:

Yours Cordially,

H.H. Tadjine

Session chair