



*BUDAPEST, HUNGARY*

**World Automation Congress  
(WAC) 2006**

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

**Special Session on Experience  
Mining & Management in  
Design, Control & Automation**



*20th Anniversary*  
**[http://www.wacong.org/  
wac2006/](http://www.wacong.org/wac2006/)**

**Call for Papers**

**Special Session on Experience Mining & Management in Design, Control & Automation**

**July 24-27, 2006**

**Budapest Hilton**

**Budapest, HUNGARY**

Dear Colleagues,

You are invited 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](http://www.cybermesa.com/~js/autosoftmain.html)
- International Journal on Computers and Electrical Engineering  
([www.elsevier.com/locate/compeleceng](http://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.org/wac2006/>

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

## Introduction to Special Session on Experience Mining & Management in Design, Control & Automation

Managing the experience is one of the issues, which recently has become focus of attention for a wide range of problem-solving issues in different areas, who are not able to solve their related problems in a direct & straightforward manner. The central point in experience management is to provide a systematic medium for characterizing, representing, storing and utilizing the experienced cases in such a manner that the future problems can be efficiently solved based on these experiences. Obviously, mining the information on these experiences as well as integrating/ blending them in some way, is expected to achieve an effective role in this regard.

Regarding the above role of experience mining & management, in this session we emphasize on the significance of applying the corresponding methodologies & tools to solve a variety of design, control and automation problems particularly in complex & heterogeneous environments.

### Scope:

Topics of interests include:

- Application of case-based reasoning and soft-computing to design, control and automation problems
- Application of information mining ( data mining, text mining and image mining) to design, control and automation problems
- Application of experience fusion and blending to design, control and automation problems
- Debugging & diagnosis through experience mining & management
- Conflict resolution and constraint satisfaction through experience mining & management
- Role of process re-engineering and road mapping in experience mining & management

### Key Dates:

Submission of full papers until January 20, 2006

Early Registration due date: March 20, 2006

Conference: July 25 - 28, 2006

### Session Contact:

Session Chairs: Kambiz Badie & Maryam Tayefeh Mahmoudi

IT Research Faculty,

Iran Telecom Research Center,

End of North Kargar Ave., Tehran 14399, IRAN

Tel: +98-21-88002455

Fax: +98-21- 88630050

Emails: [tayefeh@iust.ac.ir](mailto:tayefeh@iust.ac.ir), [k\\_badie@itrc.ac.ir](mailto:k_badie@itrc.ac.ir)

**General Chairman of WAC 2006:**

Mo Jamshidi, The University of New Mexico, USA ([moj@wacong.org](mailto:moj@wacong.org))

**Chair of ISSCI 2006:**

Matthias Reuter, Technical University of Clausthal, Germany, ([reuter@in.tu-clausthal.de](mailto:reuter@in.tu-clausthal.de))

For more information, please check the conference website at  
<http://www.wacong.org/wac2006/>

Yours Cordially,  
K.Badie & M.T.Mahmoudi  
Session Chairs