



**International  
Federation of  
Automatic  
Control**



**3<sup>rd</sup> IFAC Workshop on Advanced Fuzzy and Neural Control  
2007**

**ANNOUNCEMENT AND CALL FOR PAPERS**

October 29-30, 2007, Valenciennes- France.

<http://www.univ-valenciennes.fr/congres/afnc07/>

Email : [afnc07@univ-valenciennes.fr](mailto:afnc07@univ-valenciennes.fr)

**IFAC Technical Committee Main-Sponsor:** TC 3.2

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**IFAC Technical Committee(s) Co-Sponsor:** TC 4.2, TC 7.1

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Automotive Control. Chair: G. Gissinger ([g.gissinger@uha.fr](mailto:g.gissinger@uha.fr))

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**LAMIH UMR CNRS 8530**

Laboratory of Industrial and Human Automation Control, Mechanical Engineering and Computer Sciences



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## Meeting Scope and Objective

Fuzzy logic and neural networks are still topics of importance in various fields. They have taken their place among the family of computational intelligence methods both from theory and application points of view. After a huge period of theoretical developments, applications have been growing in a significant way. The workshop brings together experts and practitioners from the major soft computing themes and from control systems, signal processing, optimization...

It discusses new developments, ideas and results, which allow disseminating knowledge and experience in alternative methods and approaches in using fuzzy logic and neural networks in control.

## Meeting Topics

All aspects of knowledge-based, fuzzy and neural systems relevant to control including modelling, identification, stability analysis, design, learning, adaptation, evaluation, implementation, optimization of structure and parameters by means of genetic algorithms, definition of performance objectives and operation constraints, as well as awareness for computational issues and computer-aided design tools. Applications to various areas such as robotics, automotive, mechatronics systems, biomedical engineering, and industrial processes ... are welcomed.

## Important Dates

- **Papers submission begins** 05/01/2007
- **Mandatory Papers submission deadline** 18/05/2007
- **Early registration until** 10/09/2007
- **First day of meeting** 29/10/2007
- **Last day of meeting** 30/10/2007



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## **Papers Submission Guideline**

Authors should submit a full paper before **May 18th, 2007**. Forms for submission are soft copy in PDF at [afnc07-submission@univ-valenciennes.fr](mailto:afnc07-submission@univ-valenciennes.fr). The submission must include the name, complete mailing address, telephone and fax numbers and the email address of the author(s). Instructions for authors are available on the website : <http://www/congres/afnc07/papers.htm>

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## **National Organizing Committee**

- **General Chair**

Thierry Marie Guerra ([afnc07-chair@univ-valenciennes.fr](mailto:afnc07-chair@univ-valenciennes.fr)), University of Valenciennes and the Hainaut Cambrésis, LAMIH UMR CNRS 8530.

- **Vice-Chair from Industry**

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- **Members**

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*University of Reims Champagne Ardennes, CReSTIC  
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### **International Program Committee**

The Advanced Fuzzy and Neural Control Workshop International Program Committee is available online:

<http://www.univ-valenciennes.fr/congres/afnc07/committees.htm>

### **Venue**

The Advanced Fuzzy and Neural Control Workshop will be held 29-30 October 2007, in Valenciennes, France.

### **Contacts**

For more detailed information, please visit the workshop website <http://www.univ-valenciennes.fr/congres/afnc07/> or contact the workshop secretariat:

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