![FLINS 2006 logo]

August 29-31, 2006
Genova, Italy

FLINS 2006

7th International FLINS Conference on Applied Artificial Intelligence

Call for Papers

FLINS 2006 is the seventh in a series of conferences on Applied Artificial Intelligence. It follows the successful FLINS'94 in Mol, FLINS'96 in Mol, FLINS'98 in Antwerp, FLINS 2000 in Bruges, FLINS 2002 in Gent, and FLINS 2004 in Blankenberge, Belgium. **FLINS 2006**, for the first time to be held outside of Belgium, will once again aim at covering state-of-the-art research and development in all aspects related to Applied AI.

FLINS, an acronym for Fuzzy Logic and Intelligent technologies in Nuclear Science, is a well-established international research forum to advance the theory and applications of computational intelligence for applied research in general and for nuclear science and engineering in particular.

The principal missions of **FLINS** are:
- conducting research on applied AI systems for solving intricate problems pertaining to nuclear/power research and related complex systems
- bridging the gap between machine intelligence and complex systems via joint research with Belgian, European, and international research institutes and universities
- encouraging interdisciplinary research and bringing multi-discipline researchers together via the international FLINS conferences on Applied AI

Topics of interests

For **FLINS 2006**, we invite contributions on the following topics of interest:

Fuzzy logic • Neural networks • Genetic algorithms • Probabilistic computing • Hybrid methods • Chaos theory • Rough set theory • Evidence theory • Interactive computational models • AI and expert systems • Machine learning

As well as their applications to the following domains:

Decision support systems • Process and system control • System identification, modeling, and optimization • Signal and image processing • Pattern recognition • Condition monitoring • Fault diagnosis • Systems integration • Internet tools • Human-machine interface • Time series prediction • Noise analysis • Real time systems • Robotics • Virtual reality, Tele-communications • E-science and technology • Data mining • Data visualization • Intelligent information retrieval • Autonomous reasoning • Risk analysis and safety related issues

Main co-organizations

SCK•CEN, Mol, Belgium
Ghent University, Gent, Belgium
IFE-OECD Halden Reactor Project, Halden, Norway
Genova University, Genova, Italy
Softeco, Genova, Italy

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Submission of papers

Authors are invited to submit a paper up to 8 pages by December 15, 2005. You can submit your paper to the Conference Program Managers by email to flins2006@ugent.be.

All accepted papers will be published as the book *Applied Artificial Intelligence* by World Scientific. Some selected papers will be further reviewed for special issues of international journals.

Final papers should be prepared according to the publisher's instructions at http://www.worldscientific.com/style/proceedings_style.shtml (please select the trim size: 9" x 6"). Papers that are not prepared according to these guidelines will not be published.

Special Sessions

If you would like to organize a special session at **FLINS 2006**, please contact flins2006@ugent.be as soon as possible.

Registration fees

	Early registration (by April 15, 2006)	Late registration (after April 15,2006)
Regular	485 euro	535 euro
Students	385 euro	435 euro
Invited sessions chairs	385 euro	

All registration fees cover: all session's attendances, conference program, conference proceedings, conference dinner, 3-day lunches, all coffee breaks, welcome drink, and taxes.

Important dates

- Abstracts/papers submissions: December 15, 2005
- Acceptance letter: February 15, 2006
- Final papers submissions: April 15, 2006

Correspondence and further information

FLINS 2006 Conference Program Managers
Martine De Cock and Mike Nachtegael
Department of Applied Mathematics and Computer Science
Ghent University, Krijgslaan 281-S9, 9000 Gent
Belgium
Email: flins2006@UGent.be, phone: +32-9 264 47 72, fax: +32-9 264 49 95

Visit the FLINS 2006 website at http://www.fuzzy.ugent.be/flins2006