



 **ICTAI 2007,**
OCTOBER 29-31, PATRAS

in conjunction with the
**19th IEEE International Conference on
Tools with Artificial Intelligence (ICTAI)**

CALL FOR PAPERS

Objective

In recent years, the use of Artificial Intelligence (AI) techniques has been greatly increased. The term "intelligence" seems to be a "must" in a large number of European and International project calls. AI Techniques have been used in almost any domain. Application-oriented systems usually incorporate some kind of "intelligence" by using techniques stemming from intelligent search, knowledge representation, machine learning, knowledge discovery, intelligent agents, computational intelligence etc. The Workshop on "Applications with Artificial Intelligence" seeks for quality papers on computer applications that incorporate some kind of AI technique. The objective of the workshop is to bring together scientists, engineers and practitioners, who work on designing or developing applications that use intelligent techniques or work on intelligent techniques and apply them to application domains (like medicine, biology, education etc), to present and discuss their research works and exchange ideas. Results of project-based works are very welcome.

Topics

Topics of interest as far as application domains are concerned include (but not limited to) the following:

- Biology
- Computer Networks
- Computer Security
- E-commerce
- Education
- Engineering
- Finance
- Health Care & Medicine
- Logistics
- Multimedia
- Psychology
- Power Systems
- Sociology
- Web Applications

Topics of interest as far as intelligent techniques are concerned include (but are not limited to) the following:

- Evolutionary Algorithms
- Fuzzy Logic
- Hybrid Techniques
- Heuristic Search
- Intelligent Agents
- Knowledge-Based Systems
- Knowledge Representation
- Knowledge Discovery
- Machine Learning
- Neural Networks
- Planning
- Semantic Web Techniques

Paper submission and processing

Interested authors should submit electronic versions of their papers (in pdf format) to the chairs of the Workshop. The papers should follow the LNCS Springer format available at http://www.springer.com/sgw/cda/content/document/cda_downloadocument/instruct-authors-

e.pdf. All papers will be refereed by at least two members of the program committee of the workshop.

Important dates

Paper submission due: **August 1st, 2007**
Notification of acceptance: **August 27th, 2007**
Final version due: **September 20th, 2007**

Proceedings

All accepted papers will be published by Springer Verlag, Series "Studies in Computational Intelligence" (www.springer.com/series.7092). The Volume will be available to authors after the Workshop.

Attendance

One of the authors of each accepted paper should register for the main conference to be able to present it at the Workshop sessions.

Program Committee

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