

# 26th IEEE International Conference on Tools with Artificial Intelligence (ICTAI 2014)

## 4<sup>th</sup> International Workshop on Combinations of Intelligent Methods and Applications (CIMA 2014)

Limassol, Cyprus, 10/11 November 2014

### Call for Papers

(More information at: <http://aigroup.ceid.upatras.gr/cima2014/>)

The Workshop is intended to become a biennial forum for exchanging experience and ideas among researchers and practitioners dealing with combining intelligent methods. The aim is to create integrated or hybrid methods that benefit from each of their components. Some of the existing efforts combine what are called soft computing methods (fuzzy logic, neural networks and genetic algorithms) either among themselves or with more traditional AI technologies such as logic and rules. Another stream of efforts integrates case-based reasoning and machine learning with soft-computing and traditional AI methods. Yet another integrates agent-based approaches with logic and also non-symbolic approaches. Some of the combinations have been quite important and more extensively used, like neuro-symbolic methods, neuro-fuzzy methods and methods combining rule-based and case-based reasoning. However, there are other combinations that are still under investigation, such as those related to the semantic web. In some cases, combinations are based on first principles, but in most cases they are created in the context of specific applications. Topics of interest include (but not limited to) the following:

- Case-Based Reasoning Integrations
- Genetic Algorithms Integrations
- Combinations for the Semantic Web
- Combinations and Web Intelligence
- Combinations and Web Mining
- Fuzzy-Evolutionary Systems
- Hybrid Knowledge Representation Approaches
- Hybrid deterministic and stochastic optimisation methods
- Hybrid and Distributed Ontologies
- Information Fusion Techniques for HISs
- Integrations of Neural Networks
- Intelligent Agents Integrations
- Machine Learning Combinations
- Neuro-Fuzzy Approaches/Systems
- Applications of Combinations of Intelligent Methods in
  - Biology & Bioinformatics
  - Education & Distance Learning
  - Medicine & Health Care

Authors are invited to submit original contributions to the workshop. Papers should not exceed 6 pages (following ICTAI guidelines: <http://ictai2014.cs.ucy.ac.cy/index.php?p=Submission>). All contributions should be submitted in pdf or MS Word format at <https://www.easychair.org/conferences/?conf=cima2014> by **5th September 2014**. Accepted papers will be presented at the Workshop sessions of the conference. Proceedings of all accepted papers will be distributed in hardcopy during the Workshop and/or will be published in electronic form in the CEUR workshop proceedings database (an ISSN number will be given). Extended versions of the accepted papers will be published as some Springer series book after the workshop. For more details, see at Workshop's site.

### Organizers and Chairs

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