



# International Journal of Hybrid Intelligent Systems

## Aims and Scope

Hybridization of intelligent systems is a promising research field of modern Artificial Intelligence concerned with the development of the next generation of intelligent systems. A fundamental stimulus to the investigations of Hybrid Intelligent Systems (HIS) is the awareness in the academic communities that combined and integrated approaches will be necessary if the remaining tough problems in artificial intelligence are to be solved. Recently, hybrid intelligent systems are becoming popular due to their capabilities in handling many real world complex problems, involving imprecision, uncertainty and vagueness, high-dimensionality.

The *International Journal of Hybrid Intelligent Systems* (IJHIS) is a peer refereed journal on the theory and applications of hybrid and integrated intelligent systems. The key objective of IJHIS is to provide the academic community with a medium for presenting original research and applications related to the simultaneous use of two or more intelligent techniques. Rather than publishing papers in one particular area of expertise, the journal aims to be the main forum for publishing papers that involve the use of two or more intelligent techniques and approaches, such as neural networks, traditional knowledge-based methods, fuzzy techniques, genetic algorithms, agent-based techniques, case based reasoning, etc. The combination or integration of more distinct methodologies can be done in any form, either by a modular integration of two or more intelligent methodologies, which maintains the identity of each methodology, or by fusing one methodology into another, or by transforming the knowledge representation in one methodology into another form of representation, characteristic to another methodology.

The IJHIS invites authors to submit their original and unpublished work that communicates current research on hybrid and integrated intelligent systems, regarding both the theoretical and methodological aspects, as well as various applications of hybrid and integrated intelligent approaches to many real-world problems from science, technology, business or commerce.

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The *International Journal of Hybrid Intelligent Systems* (ISSN: 1448-5869) will be published in 1 volume of 4 issues in 2010 (Volume 7).

Institutional subscription (print and online): €338 / US\$460 (including postage and handling).

Institutional subscription (online only): €300 / US\$405.

**Abstracted/Indexed in**

DBLP Bibliography Server, Zentralblatt MATH.

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