

1st INTERNATIONAL CONFERENCE ON

HYBRID INTELLIGENT SYSTEMS

MALACCA, MALAYSIA

5 - 8 DECEMBER 2011

2011
his



CALL FOR PAPER

The International Conference on Hybrid Intelligent Systems (HIS 2011)

"Hybrid Intelligent Computing Towards a Greener Future"

www.mirlabs.org/his11 & www.mirlabs.net/his11

Hybridization of intelligent systems is a promising research field of modern artificial/computational 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 approaches will be necessary if the remaining tough problems in artificial/computational intelligence are to be solved. Recently, Hybrid Intelligent Systems are getting popular due to their capabilities in handling several real world complexities involving imprecision, uncertainty and vagueness. HIS'11 builds on the success of last year's. The 4-day conference will feature prominent keynote speakers, workshop, tutorials, poster and paper presentation in parallel tracks. HIS 2011 invites novel contributions/papers of hybrid intelligent systems from fundamental aspects to various practical applications

Topics:

Hybrid Intelligent Systems: Architectures :-

- Interactions between neural networks and fuzzy inference systems.
- Artificial neural network optimization using global optimization techniques.
- Fuzzy clustering algorithms and optimization techniques.
- Fuzzy inference system optimization using global optimization algorithms.
- Hybrid computing using neural networks - fuzzy systems - evolutionary algorithms.
- Hybrid optimization techniques
- Hybrid of soft computing and statistical learning techniques.
- Models using inductive logic programming, logic synthesis, grammatical inference, case-based reasoning etc.
- Autonomic computing.
- Hybridization with novel computing paradigms: Quantum computing, DNA computing, membrane computing etc.

Hybrid Intelligent Systems: Applications :-

- Image and Signal Processing
- Internet Modeling, Communication and Networking
- Data mining
- Computational Biology and Bioinformatics
- Business Information Systems
- Control and Automation
- Special topics

Papers:

Submission of paper should be made through the submission link in HIS 2011 official website or the easychair conference system at: <https://www.easychair.org/account/signin.cgi?conf=his11>. Please refer to the conference website for guidelines to prepare your manuscript. All accepted papers will be compiled in conference proceedings published by the IEEE. It is mandatory at least an author registers for every paper that is included in the conference proceedings. Proceedings will be made available during the conference.

Workshops and Special Sessions:

HIS 2011 is seeking original high quality Special Sessions and Workshops on focused discussion addressing innovative research highlighting significant topics and emerging issues which are related to the conference theme and with the desired expertise. Interdisciplinary session themes are strongly sought after. Each special session resembles a mini-conference within the main HIS meeting will run throughout the conference in parallel to other tracks (except the keynote presentations).

Important Dates:

Workshop/Special Session Proposal Submission : April 30, 2011
Notification for Acceptance(Special Session and Workshop): May 15, 2011
Paper Submission: July 1, 2011
Notification for Acceptance: August 15, 2011
Camera ready submission and author registration :October 10, 2011

Organizing Team :

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