

14th International Conference on Hybrid Intelligent Systems

Gulf University for Science and Technology, Kuwait
Dec. 14-16, 2014



HIS'14

www.mirlabs.org/his14

Call for Papers

Hybrid Intelligent Computing Towards a Greener Future

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. Since 2001, HIS series is technically co-sponsored by IEEE and proceedings published by IEEE. Building on the success of last year, HIS'14 aims to serve as a platform to bring together researchers, developers, practitioners, and users of soft computing, computational intelligence, agents, logic programming, and several other intelligent computing techniques to present on the current and future work as well as to exchange research ideas in this field.

HIS'14 invites authors to submit their original and unpublished work that demonstrate current research using soft computing, computational intelligence and other intelligent computing techniques and their applications in science, technology, business and commerce. HIS'14 will focus on the following themes:

Paper Submission

Submitted manuscripts should be original and contain contributions of theoretical, experimental or application nature, or be unique experience reports up to six A4-pages. Short papers describing novel research visions, work-in-progress or less mature results also welcome, with the limit of 4 pages. All submissions should be in the IEEE 8.5 two-column format, using Word template or latex.

For submission of guidelines. Please visit the conference website. **HIS'14** www.mirlabs.org/his14

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Hybrid Intelligent Systems: Architecture

- 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 (evolutionary algorithms, simulated annealing, tabu search, grasp, etc.)
- Hybrid of soft computing and statistical learning techniques
- Models using inductive logic programming, logic synthesis, grammatical inference, casebased reasoning, etc.
- Autonomic computing
- Hybridization with novel computing paradigms: quantum computing, DNA computing, membrane computing, etc.

Hybrid Intelligent Systems: Applications

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

IMPORTANT DATES

Special session proposals:

September 7, 2014

Acceptance of special sessions:

September 23, 2014

Paper submission due:

October 05, 2014

Notification of paper acceptance:

October 31, 2014

Registration and final manuscript due:

November 15, 2014