



Workshop on **Hybrid Computational Intelligence**

Computational Intelligence includes biologically and linguistically inspired computational paradigms such as neural networks, fuzzy systems, evolutionary computation, swarm intelligence, and chaos theory. Computational intelligence techniques have shown to be effective for a wide range of real-world problems. Hybridization of computational intelligence techniques can even boost their individual performance and has achieved much success in dealing with large-scale, complex, and uncertain problems.

The aim of this workshop is to explore recent research advances on all aspects of hybrid computation intelligence. Topics of interest include, but are not limited to :

- New paradigm of hybridization
- Theoretical and empirical analysis
- Neural-fuzzy systems
- Neural-fuzzy-genetic systems
- Genetic fuzzy systems
- Evolutionary computation in neural networks and fuzzy system
- Machine learning with fuzzy, neural, or evolutionary scheme
- Chaos theory in neural network, fuzzy system, and evolutionary computation
- Application of hybrid computational intelligence in control system, robotics, data mining, clustering, machine learning, expert system, image and signal processing, pattern reorganization, bioinformatics and biomedicine, network optimization

Important Dates

Paper submission:

~~January 15, 2011~~

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Notification of acceptance:

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Final manuscript:

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Submission

Please use the FUZZ-IEEE 2011 online submission system
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(For paper format and guideline, please refer to the website.)