

JOURNAL OF FUZZY SETS AND SYSTEMS

CALL FOR PAPERS

Special Issue

“New Trends on Pattern Recognition with Fuzzy Models”

Guest Editors: Prof. Oscar Castillo, Prof. Patricia Melin, Prof. Witold Pedrycz, Prof. Janusz Kacprzyk

Description

This Special Issue will consist of papers that propose new methodologies based on fuzzy logic for the development of intelligent systems for pattern recognition. The new fuzzy logic methodologies may also include Neural Networks, Genetic Algorithms or other soft computing techniques. In this case, the use of hybrid fuzzy intelligent system must be well justified. The use of hybrid approaches has been justified in many cases due to the advantages and disadvantages of each of the techniques. Also many real-world complex industrial problems require the integration of several of these techniques to really achieve the efficiency and accuracy needed in practice. In this Special Issue, papers must deal with the use of fuzzy models or hybrid approaches in solving pattern recognition problems. Particular attention will be given to papers dealing with new fuzzy or hybrid models used in face, fingerprint, and voice recognition, but other problems may also be considered.

Topics of interest (not limited to)

1. Successful new applications to real-world problems (related to pattern recognition) of existing fuzzy models or hybrid approaches that are found to achieve better results than conventional techniques. In this case, special attention should be given to the metrics used to compare SC techniques with conventional ones.
2. Developments of innovative fuzzy models or hybrid methods combining intelligent techniques and conventional techniques to solve problems related to pattern recognition. In this case, the problems to be considered in these papers may not be as complex as the ones in the previous point, but the authors have to explain very carefully how their proposed method could be used, in the future, to solve real-world problems.
3. Papers considering original research on new fuzzy models are also welcome, but the authors would have to make a detailed description of how their proposed approach is compared with other related techniques and how the new models could potentially useful in the future for problems of pattern recognition.

Format and Submission Procedure

Papers must be submitted using the online system of Elsevier by the prospective authors. The papers will then be distributed to the Reviewers for evaluation according to their originality, technical soundness, writing, etc. (At least three reviewers per paper). Based on the evaluations by the reviewers, the Guest Editors will select the Best papers for the Special Issue. Notifications of acceptance or rejection will then be send to the authors by email. The authors of accepted papers would then be asked to send their final papers in the appropriate format and also giving careful consideration to the comments and suggestions made by the reviewers. After receiving all of the accepted papers in their final form, the Special Issue will be formed by the Guest Editors and will be send to the Editor in Chief of the Journal for publication.

Important Dates

Call for Paper distribution:	January 1 st , 2008
Paper Submission deadline:	June 30 th , 2008
Acceptance of papers:	October 30, 2008
Revised final manuscript due date:	November 30, 2008
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