

Call for papers

International Journal of Fuzzy Systems

Special issue on Fuzzy Clustering and its applications

Guest editor: Jian Yu, Beijing Jiaotong University

Partition is a basic step for data analysis. Among partitioning methods, fuzzy clustering is an important and popular tool in partitioning a data set as its intuitional interpretation. Recently, Fuzzy clustering has not only been witnessed in a large number of successful applications of pattern recognition, data mining, bioinformatics, image processing, remote sensing, etc, but also been seen in many achievements with novel algorithms, theoretical foundation, etc. However, many traditional challenges still exist for fuzzy clustering, for example, cluster validity confronts researchers and professionals many years. Today, new problems come like ensemble clustering or algorithm selection. This issue pays attention to fuzzy clustering and its applications and aims at presenting the latest research on fuzzy clustering and its applications.

Authors are particularly invited to submit paper contributions including, but not limited to, the following topics:

- Novel algorithms of fuzzy clustering
- fuzzy clustering ensemble
- Neuro-fuzzy clustering
- On-line fuzzy clustering
- Efficient implementation of fuzzy clustering including initialization
- Cluster validity of fuzzy clustering
- Computational aspects of fuzzy clustering
- Mathematical foundation of fuzzy clustering
- Representative applications of fuzzy clustering
- Surveys on fuzzy clustering and its applications

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