



The Scientific World Journal

Special Issue on  
**Theory and Application on Rough Set, Fuzzy Logic,  
and Granular Computing**

# CALL FOR PAPERS

Recently, the rough set and fuzzy set theory have generated a great deal of interest among more and more researchers. Granular computing is an emerging computing paradigm of information processing and an approach for knowledge representation and data mining. The advances of rough set theory and fuzzy logic have greatly influenced the development of granular computing. Specifically, the philosophy and methodology of rough sets and fuzzy sets, centralized on the notions of indiscernibility and knowledge granularity, are fundamental to granular computing. It is fair to say that the plentiful results and applications of the theory of rough sets and fuzzy sets motivate many researchers to study granular computing. The art of granular computing can be fully appreciated from the philosophical perspective as structured thinking, from the methodological perspective as structured problem solving, and from the computational perspective as structured information processing.

The aim of this special issue is to encourage researchers in related areas to discuss and communicate the latest advancements of rough set, fuzzy logic, and granular computing, which cover both theoretical and practical results. Contributions containing new insights and findings in rough set, fuzzy logic, and granular computing are welcome.

Potential topics include, but are not limited to:

- ▶ Logical and mathematical theory of rough sets
- ▶ Generalization of rough sets
- ▶ Fuzzy logic and fuzzy system
- ▶ Formal concept analysis
- ▶ Soft computing and applications
- ▶ Algorithms design and analysis of granular computing
- ▶ Uncertainty in granular computing and complex data processing
- ▶ Expert system and machine learning
- ▶ Knowledge discovery and data mining

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