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Granular Computing: From Foundations to Applications

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Message from the Guest Editors

Granular computing is a rapidly changing multidisciplinary information processing paradigm suitable for modeling complex systems and for extracting knowledge from data by means of suitable entities known as information granules. According to this paradigm, a given system can be observed at different levels of granularity, showing or hiding details and peculiarities of the system as a whole. Given a specific data-driven modeling problem, automatically finding a suitable resolution (semantic) level in order to gather the maximum amount of knowledge from the data at hand is a challenging task. With this Special Issue, we would like to embrace both fundamental/methodological aspects and applications related to granular computing.

- Granular Computing
- Machine Learning
- Knowledge Discovery
- Complex Systems

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Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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