Special Issue

Identification and Analysis of Dynamic Structures in Complex Systems: Algorithms and Applications

Message from the Guest Editors

This Special Issue aims to foster discussion on the dynamics of complex systems from an algorithmic viewpoint, emphasizing the detection of relevant integrated structures or subsystems and the understanding of their relationship with the dynamics of the whole system (and its environment). The Special Issue welcomes papers that highlight relationships between algorithms applicable to such problems and methods, derived from them or being their extensions, that can be applied more widely to other fields, such as data analysis, machine learning, and pattern recognition.

Guest Editors

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Deadline for manuscript submissions

closed (15 February 2022)

Algorithms

an Open Access Journal by MDPI

Impact Factor 2.1
CiteScore 4.5

About the Journal

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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