Special Issue

Graph Mining: Theories, Algorithms and Applications

Message from the Guest Editor

This Special Issue aims to delve into the intricacies of graph data and facilitate the synergy of theoretical advancements with practical implementations. This dedicated space intends to foster interdisciplinary dialogue among researchers and practitioners in the fields of computer science, data science, network theory, physical science and applied mathematics, collectively pushing the frontiers of knowledge in graph mining.

The scope of this Special Issue includes Link Prediction, which predicts the missing and future links in networks; Influential Node Identification, which uncovers the nodes that are pivotal in the spread of epidemics and the dissemination of information; Communication Detection, which deciphers patterns/clustering of interaction; and Frequent Subgraph Mining, which reveals recurring structures. We are also interested in the prediction of network evolution and processes, and the outcomes of networked dynamics. This Special Issue warmly welcomes contributions that address graph mining from diverse perspectives, encompassing investigations into fundamental problems that range from nuanced mechanistic models to large-scale machine learning algorithms.

Guest Editor

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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