

Special Issue

Graph-Based Data Mining and Social Network Analysis

Message from the Guest Editors

In the last decade, online social networks (OSNs) have more and more become an essential part of our life. In particular, the growth of data due to the continuous usage of such networks has focused attention on the development of novel approaches for their effective and efficient analysis. Novel methodologies and techniques are, thus, required to analyze and understand the different social “ties” among users within such communities together with the exchanged information for a large number of applications.

They belong to the “umbrella” term of social network analysis (SNA), whose aim is to investigate social structures using different techniques, considering both social entities’ behavior and their connections. Indeed, these data have a high-dimensional, irregular, and complex structure that can be naturally represented by a graph; thus, in this Special Issue, we focus on graph-based approaches, methods. The aim is to gather solutions, but also lessons learnt, methodologies, and good practices, that researchers and practitioners can use as a basis for their own work concerning the Special Issue topics.

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About the Journal

Message from the Editor-in-Chief

Big Data and Cognitive Computing (BDCC) is a scholarly online journal which provides a platform for big data theories with emerging technologies on smart clouds and exploring supercomputers with new cognitive applications. It is a peer-reviewed, open access journal that publishes high quality original articles, reviews and short communications. The primary aims of this journal are to encourage contributions of high quality scientific papers relating to data management and analytics in industry, such as manufacturing, healthcare, education, media and business, data mining, and cognitive science. There is no restriction on the maximum length of the papers.

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