Special Issue

Community Detection and Clustering Complex Networks and Their Applications

Message from the Guest Editors

Community structure is one of the most relevant features encountered in numerous real-world applications of networked systems. Despite the tremendous effort of a large interdisciplinary community of scientists working on this subject over the past few years to characterize, model, and analyze communities, more investigations are needed to better understand the impact of their structure and dynamics on networked systems. Therefore, the primary goal of this Special Issue is to demonstrate the cutting-edge research advances in community structures in networks in order to provide a landscape of research progress and application potentials in related areas. Papers ranging from a broad nature to focusing on various aspects of community structure with strong algorithmic innovations and also application-oriented works are solicited.

Guest Editors

Prof. Dr. Boleslaw K. Szymanski
Prof. Dr. Kevin E. Bassler
Prof. Dr. Tao Jia

Deadline for manuscript submissions

closed (31 May 2025)

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The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

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Editor-in-Chief

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