

Special Issue

Algorithms for Network Analysis: Theory and Practice

Message from the Guest Editors

This special issue of the MDPI journal "Algorithms" invites original research papers that explore the intersection of Algorithms and (Social) Network Analysis, both in theory and practice. We welcome contributions that propose new algorithms, methods, and models for (Social) Network Analysis, as well as empirical studies that apply these techniques to real-world social networks and, more in general, to real-world applications that can be modeled through complex networks.

- development and application of new algorithms for network analysis
- theoretical aspects of network analysis algorithms
- machine learning and data mining techniques for network analysis
- community detection and clustering in networks
- influence and diffusion processes in networks
- analysis of network dynamics
- visualization of networks
- privacy and security issues in (social) network analysis
- real-world examples of the application of network analysis in various fields (e.g., sociology, economics, biology, medicine, transport, etc.)

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2024)



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About the Journal

Message from the Editor-in-Chief

Algorithms are the core of computational mathematics and computer science. The whole area has been considered from different perspectives, which has led to the development of several sub-communities. The aim is to bring together researchers and practitioners from different areas of computational mathematics and computer science and to offer a platform for interdisciplinary applications in different areas of science and technology. In this way, *Algorithms* may become a forum for the exchange of new stimulating ideas between the different sub-communities working in the area of algorithms and their applications and the presentation of high-quality novel algorithmic approaches.

Editor-in-Chief

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