

Special Issue

Algorithmic Aspects of Networks

Message from the Guest Editors

Networks are everywhere, as they allow us to simply represent the relationships among things. The analysis of networks has hence attracted a lot of attention, since the very beginning of computer science. As the size of the real-world networks has been increasing very rapidly, designing efficient algorithms that are able to deal with this huge amount of data is a continuous and fascinating challenge. We invite you to submit your latest research in the area of the design, analysis, and experimental validation of efficient network algorithms to this Special Issue. We are looking for new and innovative approaches for solving graph problems exactly or approximately, with emphasis on the problems arising in the field of real-world network analysis. High-quality papers are solicited to address both the theoretical and practical issues of network algorithms. Potential topics include, but are not limited to, centrality measures and network ranking, community detection, information diffusion, network clustering, and structural and topological network properties ...

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2020)



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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.

Editor-in-Chief

Prof. Dr. Frank Werner

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