

Special Issue

Data Analysis for Social Networks and Information Systems

Message from the Guest Editor

This Special Issue on "Data Analysis for Social Networks and Information Systems" invites contributions that explore the mathematical computing and algorithmic approaches to analyzing complex social networks and information systems. This Special Issue aims to advance our understanding of how data-driven methods can be applied to uncover patterns, dynamics, and insights from social network structures and information flows.

We welcome submissions that focus on the development and application of advanced algorithms, such as graph-based models, machine learning techniques, optimization algorithms, and statistical methods, to tackle challenges in network analysis. Potential topics include, but are not limited to, community detection, network evolution, influence propagation, and the integration of heterogeneous data sources. The goal is to foster interdisciplinary research that bridges the gap between theoretical foundations and practical applications in social network analysis and information system optimization. Authors are encouraged to present novel methodologies, case studies, or comprehensive reviews that contribute to this evolving field.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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