



## Game Theory and Social Networks in Mathematics and Economics

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### Message from the Guest Editors

Dear Colleagues,

Social networks are at the core of many socio-economic processes, and nowadays, they are analyzed in many fields, such as political science, medicine, applied physics and computer science. However, due to the technical difficulties of combining graph theory and game theory, it is only recently that they have been studied systematically and theoretically and there is still no agreement on how to establish the nature of networks, how they form, how to detect communities or assess the propagation of information, news, habits and opinions across networks.

The focus of this Special Issue is to bring together contributions from researchers from different areas, from mathematics to economics, which will be of great interest for the interdisciplinary community of scholars who study social networks. Papers that study theoretical principles as well as experimental results are expected, with topics ranging from game theoretical models to randomized experiments. Studies that focus on networks, how they form and how they affect the socio-economic environment are also welcome.





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## 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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