Special Issue

Advances in Game Theory and Optimization with Applications

Message from the Guest Editor

The primary objective of this Special Issue is to explore the frontiers of game theory and optimization research, encouraging cross-disciplinary collaboration and fostering innovation in both theory and practice. By promoting the exchange of ideas, methodologies, and experiences, this Special Issue aspires to contribute to the development of new tools and techniques that can address the challenges in various fields and support decision-making processes in complex systems. To achieve the objective, we invite submissions covering a broad range of topics. Some areas of interest include: mechanism design and incentive engineering; learning and adaptation in games; robust and stochastic optimization; distributed optimization and decision making; game theory and optimization in cybersecurity; algorithmic game theory and computational aspects; social and ethical considerations; game theory and optimization in healthcare. The Special Issue aims to create a comprehensive collection of high-quality research articles that demonstrate the power and potential of game theory and optimization to solve real-world challenges and contribute to the advancement of various fields.

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2025)

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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.

Editor-in-Chief

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