Special Issue

Trends and Prospects in Control and Dynamic Games

Message from the Guest Editors

This Special Issue targets an interdisciplinary audience of researchers, industry practitioners, and scholars to share and exchange new ideas on the use of the control and dynamic game theory. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Mathematical foundations of the theory of deterministic and stochastic control and dynamic games on a finite or infinite horizon.

- Theory and applications of degenerate deterministic and stochastic dynamic games (controlled systems) on a finite or infinite horizon.

- Theory and applications of non-zero sum deterministic and stochastic dynamic games on a finite or infinite horizon.

- Basic and advanced criteria of equilibria for zero and nonzero-sum of deterministic and stochastic dynamic games on a finite or infinite horizon.

- Mean-field game theory applied to systems controlled by one or many agents on a finite or infinite horizon and under a suitable optimality criterion.

- Real-world applications of any of the above.

Guest Editors

Prof. Dr. Manuel Alejandro Jiménez-Lizárraga

Dr. Daniel Lopez-Barrientos

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Deadline for manuscript submissions

28 February 2026

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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