

Special Issue

Recent Advances in Control of Dynamical and Robotic Systems

Message from the Guest Editor

The rapid development of autonomous systems, intelligent automation, and cyber-physical technologies has created new challenges and opportunities in the control of dynamical and robotic systems. This Special Issue focuses on advances in modeling, analysis, estimation, optimization, and control. Topics include nonlinear, adaptive, robust, optimal, predictive, distributed, and learning-based control, observer design, fault diagnosis, state estimation, multi-agent systems, and human-robot interaction. Contributions related to industrial automation, manufacturing, autonomous vehicles, aerial and underwater robotics, medical robotics, smart energy systems, teleoperation, and digital twins are welcome. We invite original research and review papers presenting theoretical developments, computational methods, and experimental validation. This Special Issue aims to promote collaboration between academia and industry and advance control methods that improve autonomy, resilience, safety, efficiency, and sustainability in engineering systems.

Guest Editor

Prof. Dr. Vicente Mut

Instituto de Automática (INAUT), Universidad Nacional de San Juan, Av. San Martín Oeste 1109 (or 1102/1112 Building Complex), San Juan J5400ARL, Argentina

Deadline for manuscript submissions

31 March 2027



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 5.4



mdpi.com/si/286396

Mathematics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
mathematics@mdpi.com

[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)





Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.3
CiteScore 5.4



[mdpi.com/journal/
mathematics](https://mdpi.com/journal/mathematics)



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

Prof. Dr. Francisco Chiclana

School of Computer Science and Informatics, De Montfort University,
The Gateway, Leicester LE1 9BH, UK

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), RePEc, and other databases.

Journal Rank:

JCR - Q1 (Mathematics) / CiteScore - Q1 (General Mathematics)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.4 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the first half of 2026).