

Special Issue

Mathematical Control Theory and Application

Message from the Guest Editor

Advancements in computing technologies and facility facilitate digital control of dynamical systems in ever-revolutionary manners. Approaches, which involve machine learning and deep learning models in the control architecture, have gained popularity in recent years. This special issue seeks to explore state-of-the-art digital control technologies and classical control theory as well as their applications. Submission is welcomed in the following topics:

- *Nonlinear control systems*
- *Adaptive control*
- *Iterative learning control*
- *Variable Structure Control*
- *Mathematical Models for Control Purposes*
- *Machine learning and Deep learning models in control*
- *System identification and applications*
- *Motion control systems*

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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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).