

Special Issue

Deep Learning and Adaptive Control, 3rd Edition

Message from the Guest Editors

This Special Issue aims to introduce the latest progress in adaptive control theory and application. The key points are system modeling, parameter identification, structural analysis, controller design, performance analysis, and the application research results of adaptive control algorithms. We are looking for the latest research results in deep learning and adaptive control. Topics of interest include, but are not limited to, the keywords listed below. Keywords

- deep learning, CNN, RNN, transformer model
- optimization of deep learning
- applications of deep learning
- reinforcement-learning-based control
- applications of reinforcement learning
- adaptive iterative learning control
- modeling of adaptive systems
- design of adaptive controllers
- application of adaptive control

Guest Editors

Prof. Dr. Zhijia Zhao

School of Mechanical and Electrical Engineering, Guangzhou University, Guangzhou 510006, China

Prof. Dr. Zhijie Liu

School of Intelligent Science and Technology, University of Science and Technology Beijing, Beijing 100083, China

Deadline for manuscript submissions

closed (30 September 2025)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/200689

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 2.2
CiteScore 4.6



[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 17.3 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).