

Special Issue

Systems Engineering, Control, and Automation

Message from the Guest Editors

Control and automation are ubiquitous in a wide spectrum of contemporary computer-integrated systems that serve as the developmental basis of human society. As a universal modeling and analysis tool, mathematics consistently provides support for the development of such systems. In recent years, the role of artificial intelligence and network technology in systems engineering, control and automation has also been witnessed. This Special Issue aims to collect the recent advances in this research area, with a particular focus on, but not limited to, the following topics:

- Systems engineering in economy and society;
- Scheduling and control of production system;
- Discrete event system;
- Artificial intelligence in control and automation;
- Petri nets in automation and control engineering;
- Intelligent scheduling;
- Advanced mathematics methods in automation;
- Industrial automation and robotic process control;
- Intelligent systems (fuzzy control, artificial neural networks and genetic algorithms);
- Computer-based real-time control system;
- Networked control system;
- Cyber-physical system.

Guest Editors

Prof. Dr. Zhiwu Li

Institute of Systems Engineering, Macau University of Science and Technology, Taipa, Macao

Prof. Dr. Kamel Barkaoui

Computer Science Department, Conservatoire National des Arts et Métiers, 75141 Paris, France

Deadline for manuscript submissions

closed (31 May 2023)



Mathematics

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 4.6



mdpi.com/si/130927

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 18.4 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).