

# Special Issue

## Dynamic Modeling and Simulation for Control Systems, 3rd Edition

### Message from the Guest Editors

This Special Issue, as a follow-up to the successful [first edition](#) and [second edition](#), will provide a comprehensive platform for researchers and practitioners to explore topics related to the dynamic modeling, simulation, and optimization of control systems in various engineering fields. **Topics for this Special Issue:**

- Mathematical modeling of control systems;
- Control of physical engineering systems;
- Optimization algorithms in engineering systems;
- Design of physical engineering systems;
- Mechanical, electrical, and fluid interaction between system components;
- Dynamic behavior analysis;
- System response analysis;
- Feedback control systems;
- Numerical simulation of integrated systems;
- Fault detection and diagnosis;
- Networked control and time-delay systems;
- Frequency response and stability;
- Control and simulation of the isotope separation process;
- Fuzzy logic and control systems;
- Neural network applied in complex control systems;
- Artificial intelligence and support vector machine for control systems.

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### Guest Editors

Prof. Dr. Adrian Olaru

Prof. Dr. Gabriel Frumusanu

Prof. Dr. Catalin Alexandru

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### Deadline for manuscript submissions

31 December 2026



## Mathematics

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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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### Editor-in-Chief

Prof. Dr. Francisco Chiclana  
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#### 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).