

# Special Issue

## Numerical Simulation and Control in Energy Systems, 2nd Edition

### Message from the Guest Editor

Dear colleagues, This Special Issue aims to collect research papers reflecting the latest advances in the field of numerical simulation and control in power and energy systems. The range of scientific problems for the Special Issue includes current issues in the theory of mathematical modeling, identification, and control in technical energy systems. Topics of interest range from analytical and computational methods to algorithmic and applied solutions and aim to popularize new ideas, concepts, and methodologies in the description of complex energy systems. Potential topics include (but are not limited to) the following areas:

- Models taking into account the hierarchy of energy facilities;
- Methods of mathematical modeling, taking into account the new properties of equipment and the requirements of universality;
- Identification methods;
- The analysis and synthesis of control modes;
- Numerical simulation for control systems;
- Dynamic measurement methods for physical quantities;
- Complex problems of intelligent modeling and control systems in the energy sector.

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### Guest Editor

Dr. Svetlana V. Solodusha

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### Deadline for manuscript submissions

closed (31 January 2024)



## Mathematics

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Impact Factor 2.2  
CiteScore 4.6



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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

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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).