

# Special Issue

## Dynamical Behaviors in Networked Systems: Analysis & Control

### Message from the Guest Editor

We cordially invite you to submit your articles to the Special Issue of Mathematics entitled “Dynamical Behaviors in Networked Systems: Analysis & Control”. In this Special Issue, we want to point out the directions of further studies in the field of network dynamical systems, especially focusing on their analysis, stability, and control. We cordially invite researchers to contribute their research articles, reviews, and technical notes which will inspire fundamental aspects of this focused Special Issue. **Keywords**

- complex systems
- linear and non-linear dynamical systems
- higher-order interactions
- multi-layer networks
- time-varying networks
- asymptotic stability
- finite-time stability
- network control theory
- robustness
- biological systems
- neuronal behaviors
- synchronization patterns
- chimera states
- random walks
- evolutionary games

### Guest Editor

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### Deadline for manuscript submissions

closed (7 July 2024)



## 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

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#### 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).