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# Symmetry in Graph Algorithms and Graph Theory III

Guest Editor:

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Deadline for manuscript submissions:
**closed (31 August 2025)**

## Message from the Guest Editor

This Special Issue aims to improve our understanding of the interplay between algorithms, structure, and symmetry in graphs. The goal is to explore new directions in designing graph algorithms and to establish new foundations in structural graph theory.

The scope of the Special Issue includes, but is not limited to:

- The design and analysis of graph algorithms, as well as parallel, randomized, parameterized, distributed, and other types of algorithms;
- Structural graph theory with immediate or potential applications in algorithms and complexity analysis.

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## Editor-in-Chief

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## Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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