# Special Issue

# Geometric Algorithms and Applications

## Message from the Guest Editor

Geometric algorithms deal with data represented by mathematical objects such as points, lines, curves, or polyhedral subdivisions. These algorithms find applications in various fields such as computer graphics, computer vision, geographic information systems, and robotics. We invite submissions of original results to the Special Issue of *Algorithms* on "Geometric Algorithms and Applications". Topics of interest may include, but are not limited to, the following:

- Design and analysis of geometric algorithms;
- Geometric data structures;
- Geometric approximation algorithms;
- Computational complexity of geometric problems;
- Discrete geometry;
- Algorithms for doubling spaces and hyperbolic spaces;
- Experimental algorithmics of geometric problems;
- Applications of computational geometry to any field.

## Guest Editor

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## Deadline for manuscript submissions

closed (30 September 2024)

# Algorithms

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# About the Journal

### Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

### Editor-in-Chief

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