

# Special Issue

## Symmetry in Optimization Methods for Image Processing

### Message from the Guest Editor

We are pleased to invite you this Special Issue, 'Symmetry in Optimization Methods for Image Processing'. This Special Issue explores symmetry and asymmetry in image processing, with a particular focus on high-efficiency solutions. It aims to compile groundbreaking research findings, demonstrating how these concepts can enhance the efficiency, accuracy, and performance of algorithms in real-time applications. Contributions may include, but are not limited to, theories, algorithms, and applications related to symmetry and asymmetry. These innovations involve utilizing symmetry to accomplish real-time embedded tasks such as object recognition, image segmentation, and feature extraction, while also promoting effective strategies for dealing with asymmetrical data, features, and tasks in dynamic and complex scenarios. We cordially invite you to share your insights on a wide range of topics, including, but not limited to, the following aspects of symmetry and asymmetry in imaging:

- Symmetry detection algorithms: Innovative methods for detecting and leveraging symmetrical features in images to enhance recognition and classification tasks...

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### Guest Editor

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### Deadline for manuscript submissions

closed (31 July 2025)



# Symmetry

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Sergei Odintsov  
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