



Advances in Image Processing with Symmetry/Asymmetry

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Deadline for manuscript submissions:

closed (28 February 2026)

Message from the Guest Editors

Dear Colleagues,

We warmly invite researchers and practitioners to contribute their expertise to a Special Issue dedicated to the latest breakthroughs in image processing, with a specific focus on symmetry and asymmetry. This Special Issue aims to explore innovative methodologies, algorithms, and applications that harness symmetry and asymmetry properties for image processing, analysis, and interpretation.

Topics of interest span a broad spectrum and include, but are not limited to, the following:

1. Symmetry- and asymmetry-driven methodologies for image enhancement, restoration, or fusion.
2. Feature extraction or pattern recognition guided by symmetry and asymmetry principles.
3. Leveraging symmetry and asymmetry in visual object detection and tracking algorithms.
4. Innovative deep learning architectures inspired by symmetry and asymmetry principles...
5. Investigation into the role of symmetry and asymmetry in remote sensing image analysis.
6. Application of symmetry and asymmetry principles in the realm of medical image analysis.

We eagerly welcome original research articles that significantly advance the understanding and application of symmetry and asymmetry principles...





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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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