Special Issue

Symmetry or Asymmetry in Signal/Image Processing, Pattern Recognition, and Microwave/Millimeter-Wave Technologies

Message from the Guest Editors

Signal and image processing systems are widely used in many applications, such as wireless communications, radar, navigation, etc. In a signal and image processing system, signal/image processing methods, pattern recognition techniques, and microwave/millimeter-wave technologies play important roles. In these key technologies, symmetry/asymmetry characteristics are always be observed. For example, as the basis of signal/image processing methods, the time/frequency domains in the Fourier transform usually have symmetry properties. This Special Issue mainly focuses on novel signal/image processing methods, pattern recognition techniques, and microwave/millimeter-wave technologies motivated by symmetry/asymmetry properties. Possible topics include, but are not limited to, the following list:

- Signal processing methods;
- Image processing methods;
- Pattern recognition;
- Machine learning;
- Microwave/Millimeter-wave technologies.

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Deadline for manuscript submissions

31 August 2025

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/si/215452

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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.

Editor-in-Chief

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