

Special Issue

Symmetry/Asymmetry in Digital Image Processing

Message from the Guest Editors

Digital image processing involves the analysis, enhancement, and interpretation of visual data through algorithms and computational techniques. It also involves both symmetric and asymmetric phenomena that influence algorithm design and outcomes. The interplay between symmetry and asymmetry drives advancements in convolutional neural networks, medical imaging diagnostics, etc. We are pleased to invite you to make contributions to the area of digital image processing. This Special Issue aims to introduce the development of digital image processing using the techniques of deep neural networks and artificial intelligence. In this Special Issue, original research articles and reviews are welcome. Research topics may include (but are not limited to) the following:

- Digital image processing in medical diagnostics;
- Digital image processing in remote sensing;
- Target recognition and classification based on digital images;
- Computational digital image generation;
- Algorithms and computational techniques of digital image processing;
- Applications of digital image processing to other relevant areas, such as facial recognition, industrial quality control, and environmental detection.

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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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