

Special Issue

Application of Image Processing with Symmetry/Asymmetry

Message from the Guest Editors

Image processing is widely applied in various industries, such as medical image processing, video surveillance, robot vision, automated detection, etc. Digital images undergo processing to obtain effective information, and symmetry is a very important concept within this. The application of image processing is largely influenced by different types of spatial symmetry, such as axial symmetry, translational symmetry, and rotational symmetry. The discovery of symmetry can extract more features from images. Therefore, image processing algorithms and applications based on symmetry have become a research hotspot this year. In this Special Issue of *Symmetry*, the focus of this topic is to fully leverage the advantages of symmetry theory in image processing applications.

Guest Editors

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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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