

Special Issue

Symmetry/Asymmetry Advances in Visible and Thermal Imaging

Message from the Guest Editors

Symmetry/asymmetry is a very important issue in visible and thermal imaging, as it allows us to know whether there is balance or repetition of a structure or pattern within an image in relation to an axis or reference point. Specifically, thermographic images allow us to know whether a thermal equilibrium exists between areas or regions of interest, increasing the accuracy of analysis, as thermal asymmetry may indicate a change, defect, or anomaly. On the other hand, artificial intelligence has also had an impact in this field, allowing the integration of machine learning or deep learning techniques together with visible and thermal imaging to obtain symmetries or asymmetries directly. For these reasons, the aim of this Special Issue is to publish novel scientific articles on advances in symmetry/asymmetry in visible and thermal imaging. Finally, it is important to note that it is not limited to any technique or application, so all original articles and reviews that meet the main objective are welcome.

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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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