Special Issue

Symmetry/Asymmetry Study in Object Detection

Message from the Guest Editors

The field of object detection has experienced significant advancements in recent years, driven by the rapid development of machine learning and computer vision technologies. This Special Issue delves into the nuanced role that symmetry and asymmetry play in the effectiveness and accuracy of object detection algorithms. It explores theoretical foundations, methodological approaches, and practical applications, offering a comprehensive analysis of how symmetrical and asymmetrical features influence detection performance. By examining a range of case studies and experimental results, the authors provide valuable insights into optimizing detection systems for diverse real-world scenarios. This work serves as an essential resource for researchers and practitioners seeking to enhance their object detection capabilities through a deeper understanding of symmetry and asymmetry.

Guest Editors

Prof. Dr. Leo Mrsic

Dr. Robert Kopal

Dr. Zlatan Morić

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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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