

Special Issue

Symmetry and Asymmetry in Object Detection, Object Tracking, and Behaviour Understanding

Message from the Guest Editor

We are excited to invite you to contribute to a Special Issue on “Symmetry and Asymmetry in Object Detection, Object Tracking, and Behaviour Understanding”. The last decade has witnessed rapid advancements in computer vision and deep learning that have revolutionized how machines learn from visual information. Object detection, tracking, and behaviour understanding are pivotal for numerous video analytics applications, including autonomous driving, human–computer interaction, robotics, healthcare, agriculture, animal health, sports, surveillance, and traffic videos. This Special Issue aims to explore the latest developments, challenges, and opportunities in these areas, leveraging symmetry and/or asymmetry principals.

Guest Editor

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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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