Computer Vision, Pattern Recognition, Machine Learning, and Symmetry

Guest Editor:

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Deadline for manuscript submissions:
closed (15 June 2023)

Message from the Guest Editor

Dear Colleagues,

We would like to invite you to submit your work to the Special Issue, "Computer Vision, Pattern Recognition, Machine Learning, and Symmetry", on the topic of symmetry/asymmetry. This Special Issue seeks high-quality contributions in the fields of computer vision/pattern recognition/machine learning and symmetry in theory, and applications to solve practical application problems.

This Special Issue of *Symmetry* will collect articles on solving real-world problems by solving data- and learning-centric technologies, including computer vision, pattern recognition, and the correlation between machine learning and symmetry. We are soliciting contributions covering all related topics, including but not limited to vision, multimedia, biometrics, behavior analysis, adversarial learning, simulation, network security, Internet of Things, and performance. The main criteria for submission are theoretical and application-centric innovative methods to solve real-world problems. There is no limit on the number of pages, but the submissions must demonstrate an understanding of the theme and a contribution to the topic.

mdpi.com/si/98975

Special Issue

Editor-in-Chief

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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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