

Symmetry Applied in Computer Vision, Automation, and Robotics

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Message from the Guest Editors

Dear Colleagues,

Symmetry plays a crucial role in various aspects of computer vision, automation and robotics. This Special Issue, entitled “Symmetry in Applied Computer Vision, Automation, and Robotics”, mainly covers the topics of the theory, phenomenon, and research regarding symmetry in applied computer vision, automation, and robotics. This Special Issue will also attempt to cover the whole field of symmetry (and asymmetry) in its widest sense. We cordially and earnestly invite researchers to contribute their original and high-quality research papers that will inspire advances in computer vision, image processing, 3D sensing, automation, control system and control engineering, robotics, robotic control, optimization, and their symmetry-related applications.

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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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