

Special Issue

Symmetry and Asymmetry in Intelligent Control and Computing

Message from the Guest Editors

Intelligent control and computing manage control and computing problems by leveraging intelligent algorithms such as neural networks, fuzzy systems, and evolutionary computation. While many studies on intelligent control and computing have been published in recent decades, efforts dedicated to solving symmetry and asymmetry issues in intelligent control and computing problems and methods have seldom been reported. In control problems, such as the kinematic or dynamic control of robot manipulators, input constraints can be symmetric or asymmetric, and asymmetric input constraints are often considered a challenging issue. In this Special Issue, we aim to discuss the latest developments in addressing symmetry and asymmetry issues in intelligent control and computing problems and novel methods or algorithms for intelligent control and computing by leveraging symmetry and asymmetry.

Guest Editors

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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.

Editor-in-Chief

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