

Special Issue

Unmanned Vehicles, Automation, and Robotics

Message from the Guest Editors

Control systems are playing essential roles in almost every aspect of our daily environment. The search for appropriate control designs or dynamics analysis methods for such a system often leads to solving symmetric or asymmetric problems. In dynamical systems, symmetry concepts have been used, e.g., to explain the onset of instability in feedback systems, to design observers and controllers, and to analyze synchronization properties and associated symmetry detection mechanisms. Typically, the symmetries of a physical system are preserved in the mathematical tools used to model it. For this Special Issue, we invite specialists that are active in the field of control systems, including control theory, to submit their theoretical or experimental research.

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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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