



symmetry



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Symmetry and Asymmetry in Network Control

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Message from the Guest Editors

Dear Colleagues,

Symmetry is a foundational concept in numerous fields, e.g., mathematics and physics. Coinciding with the rapid advancement of network control theory and artificial intelligence techniques, in recent years, researchers have increasingly applied symmetry theory to network control and artificial neural networks. Such applications and research, including pattern recognition and data understanding, demonstrate that symmetry and asymmetry structure substantially improve the performance of modern network control and neural networks, showcasing impressive results. Therefore, this Special Issue aims to provide a platform for presenting and discussing recent advancements in symmetrical and asymmetrical network control and their applications. We are pleased to invite you to participate in this Special Issue to progress research regarding symmetry and asymmetry theory and methods. This Special Issue covers pure research and applications within novel scopes related to symmetrical and asymmetrical network control...



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Special Issue



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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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