

Special Issue

Applications of Symmetry/Asymmetry in Artificial Intelligence and Deep Metaheuristics

Message from the Guest Editor

“Symmetry” has reach in almost every discipline of information technology. Its elements appear in many applications, for example, object recognition, engineering design, music composition, and market prediction. By using the properties of “symmetry”, intelligent systems, such as the Internet of Things (IoT) and Cyber-Physical Systems (CPS), can be made more efficient and effective. The changes in industry over the last decade as a result of innovative technologies and businesses challenging competitiveness have been overwhelming. These changes are partly due to the emergence of new technologies such as the IoT, CPS, deep learning, self-media, and the shared economy and partly due to the international trade protection, which constrains the development of global supply chain and regional tax-free agreements. The aim of this Special Issue is to call attention to the important trend of using Symmetry/Asymmetry in information technology...

Guest Editor

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About the Journal

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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