Special Issue

Symmetry in Artificial Intelligence and Edge Computing

Message from the Guest Editor

The convergence of mobile edge computing (MEC) and artificial intelligence (AI) has contributed many opportunities and challenges to research and industries. Many IoT applications can rely on AI, specifically machine learning and deep learning models, to perform various edge computing tasks, such as task offloading, distributed caching and quality of service optimization, with the coupling of MEC and AI mitigating the drawbacks of traditional cloud computing models, taking full advantage of the unexploited computing resources available in edge devices.

Edge-enabled AI algorithms can be leveraged to identify the presence and level of symmetry in various interdisciplinary applications, for instance, in the execution of AI algorithms in edge devices for symmetry detection in virtual reality scenes being a promising application. This Special Issue titled “Symmetry in Artificial Intelligence and Edge Computing” will focus on AI applications in edge computing.

All papers submitted to the Special Issue will be thoroughly reviewed by at least two independent experts.

Guest Editor

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Deadline for manuscript submissions

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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.

Editor-in-Chief

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