

Special Issue

Internet of Things and Symmetry

Message from the Guest Editor

This Special Issue, "Internet of Things and Symmetry," seeks to explore the intersection of these two fields, highlighting how symmetry-driven approaches can unlock new possibilities for IoT innovation. By bridging theoretical advancements in symmetry with practical IoT applications, this research area holds the potential to revolutionize the design, implementation, and optimization of IoT systems, paving the way for smarter, more secure, and sustainable technological ecosystems. Contributions to this Special Issue will address cutting-edge developments, challenges, and future directions in this interdisciplinary domain. This Special Issue welcomes original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- **Symmetry in Wireless Sensor Network Topologies**
- **Symmetry-Based Anomaly Detection in IoT Data**
- **Symmetry-Preserving Data Augmentation in IoT**
- **Symmetry in Smart-Grid IoT**
- **Symmetry in Sensor Data for PHM in IoT**
- **Energy Efficiency via Symmetrical IoT**
- **Integration of LLM with IoT and Symmetry**

Guest Editor

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Deadline for manuscript submissions

30 June 2026



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



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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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