Special Issue

Symmetry in Internet of Things and Distributed Computing Systems: Recent Innovations, Architecture (Design and Modelling), and Case Studies

Message from the Guest Editors

Recent Internet of Things (IoT) trends include edge computing, 5G and 6G technology, and artificial intelligence (AI). The increasing complexity of the Internet of Things (IoT) and distributed computing systems has led to new challenges in system design, optimization, and performance. A key aspect influencing these advancements is **symmetry**, which plays a critical role in the architecture, algorithms, and operational efficiency of IoT networks and distributed computing environments. Symmetry in these systems enhances **scalability, fault tolerance, security, and energy efficiency**, making it an essential area of study This special issue aims to explore **recent innovations, theoretical models, architectural designs, and real-world case studies** that leverage symmetry in the **design, modeling, and deployment** of IoT and distributed computing systems. We seek original research and review articles that highlight breakthroughs in system symmetry, including its impact on **network protocols, edge computing, AI-driven automation, cybersecurity, and blockchain integration** in distributed environments.

Guest Editors

Dr. Thierry Oscar Codjo EDOH

Dr. Giuseppe Palestra

Prof. Dr. Shu-Yen Wan

Deadline for manuscript submissions

28 February 2026

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/si/234488

Symmetry
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
symmetry@mdpi.com

mdpi.com/journal/symmetry

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/journal/symmetry

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

Prof. Dr. Sergei Odintsov
1. ICREA, 08010 Barcelona, Spain
2. Institute of Space Sciences (IEEC-CSIC), C. Can Magrans s/n, 08193 Barcelona, Spain

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within SCIE (Web of Science), Scopus, CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1 (General Mathematics)

MDPI