



Symmetry and Asymmetry in Cybersecurity

Guest Editor:

Dr. Jiale Zhang

School of Information
Engineering, Yangzhou
University, Yangzhou 225009,
China

Deadline for manuscript
submissions:

closed (31 May 2025)

Message from the Guest Editor

Dear Colleague,

Cybersecurity is a rapidly evolving field, and understanding the dynamics of symmetry and asymmetry is crucial in addressing emerging threats and vulnerabilities. Symmetry and asymmetry in cybersecurity refer to the balance or imbalance of power, resources, and strategies between attackers and defenders in the digital realm. This interplay has a profound impact on the effectiveness of security measures, the resilience of systems, and the overall state of cybersecurity.

This Special Issue aims to explore the concept of symmetry and asymmetry in the context of cybersecurity. We invite researchers, scholars, and practitioners to contribute original research articles, reviews, and case studies that delve into various aspects of this theme.

Topics of Interest are (but are not limited to):

1. Symmetric and Asymmetric Cyber Warfare: Analyzing the strategies, tactics, and tools employed by nation-states and non-state actors in cyber conflicts;
2. Attack-Defense Asymmetry: Investigating the disparity between cyber attackers and defenders and the strategies used to mitigate this imbalance;
3. Economic Aspects of Cybersecurity: Exploring the cost-effectiveness...





an Open Access Journal by MDPI

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

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.

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, CAPus / SciFinder, Inspec, Astrophysics Data System, and other databases.

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

Contact Us

Symmetry Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/symmetry
symmetry@mdpi.com
[X@Symmetry_MDPI](https://twitter.com/Symmetry_MDPI)