



symmetry



an Open Access Journal by MDPI

Frontiers in Cryptography

Guest Editors:

Dr. Ding Wang

College of CyberScience, Nankai University, Tianjin 300071, China

Dr. Weizhi Meng

Department of Applied Mathematics and Computer Science, Technical University of Denmark, 2800 Kongens Lyngby, Denmark

Prof. Dr. Jian Shen

Graduate School of Nanjing University of Information Science & Technology, Jiangsu, Nanjing 210044, China

Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editors

The goal of this Special Issue is to foster the dissemination of the latest technologies, solutions, results, and prototypes regarding cryptanalysis. We are soliciting contributions (research articles) covering a broad range of topics on cryptanalysis, including, but not limited to, the following:

1. Machine Learning-Based Cryptanalysis;
2. Side-channel attacks and countermeasures;
3. Fault attacks and countermeasures;
4. Hardware tampering and tamper-resistance;
5. White-box cryptography and code obfuscation;
6. Hardware and software reverse engineering;
7. Verification methods and tools for secure design;
8. Special-purpose hardware for cryptanalysis;
9. Leakage-resilient cryptography;
10. Cryptanalysis and evaluation tools.



mdpi.com/si/87438

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergei Odintsov

1. Institució Catalana de Recerca
i Estudis Avançats (ICREA),
Passeig Luis Companys, 23,
08010 Barcelona, Spain
2. Institute of Space Sciences
(ICE-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, CAPlus / 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