

Special Issue

Optimization and Applications of Modern Wireless Networks and Symmetry

Message from the Guest Editors

Channel coding techniques are widely used in modern wireless communications to enhance reliability and spectral efficiency. In particular, low-density parity check (LDPC) codes and polar codes are being optimized for the next wireless standard. Moreover, over the past two decades, physical network coding was invented to improve wireless throughput, together with channel coding. This invokes a great deal of attention on the modern symmetry or asymmetry wireless communications. Due to the future demands of IoT/5G communications, this Research Topic welcomes research that discusses channel coding, multi-access, physical network coding, and the related communication and network techniques for IoT/5G, and aims to present new research directions in the emerging fields of research.

Guest Editors

Prof. Dr. Pingping Chen

Prof. Dr. Long Shi

Prof. Dr. Yi Fang

Deadline for manuscript submissions

closed (31 August 2022)



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/98165

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

[mdpi.com/journal/
symmetry](https://mdpi.com/journal/symmetry)





Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



[mdpi.com/journal/
symmetry](https://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)