

# Special Issue

## Symmetry/Asymmetry Studies in Modern Power Systems

### Message from the Guest Editors

Symmetry and asymmetry concepts play a fundamental role in the design, operation, and stability of modern power systems. This Special Issue provides a platform for in-depth exploration of the relationship between symmetry and power systems, aiming to enhance our understanding of the impact of symmetry on system performance, reliability, and efficiency. This Special Issue will delve into various aspects of symmetry in power systems, including its application in fault diagnosis, system planning, and design. It will also highlight the role of symmetry in improving operational efficiency, enhancing system stability, and ensuring the reliable delivery of electricity. By exploring the intricate connections between symmetry and power systems, this Special Issue aims to foster a deeper understanding of the complexities involved and to provide valuable insights to improve power system design and operations. This Special Issue invites researchers to contribute original research articles and reviews that explore various aspects related to symmetry and asymmetry in modern power systems. Applied case studies are especially welcome.

---

### Guest Editors

Dr. Tao Zhou

Dr. Cheng Wang

Dr. Zhong Chen

Dr. Lei Chen

---

### Deadline for manuscript submissions

closed (30 June 2025)



## Symmetry

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.2  
CiteScore 5.3



[mdpi.com/si/194572](https://mdpi.com/si/194572)

*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](http://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 )

