Special Issue

Advances in Microelectromechanical Systems (MEMS) and Asymmetry/Symmetry

Message from the Guest Editors

The rapid evolution of microelectromechanical systems (MEMS) has driven remarkable technological breakthroughs, thereby enabling compact, high-performance devices for diverse applications. Central to these advancements are the design and analysis of components where symmetry and asymmetry play significant roles. Symmetry, defined by proportional balance, is a key feature in both natural systems and engineered designs, while intentional asymmetry can unlock innovative functionalities and enhance performance in MEMS. This Special Issue, titled "Advances in Microelectromechanical Systems (MEMS) and Asymmetry/Symmetry," seeks to explore how symmetric and asymmetric properties shape the development of MEMS systems and circuits. We invite researchers and engineers to submit original research, reviews, or case studies addressing challenges and innovations in this domain. Topics may include symmetric design strategies, asymmetric component optimization, fabrication techniques, or applications in sensors, actuators, and beyond.

Guest Editors

Dr. Xiaolong Wen

Dr. Yuting Wang

Prof. Dr. Jianhua Li

Deadline for manuscript submissions

30 June 2026

Symmetry

an Open Access Journal by MDPI

Impact Factor 2.2
CiteScore 5.3

mdpi.com/si/245465

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