

Advances in Metallic Material and Symmetry/Asymmetry

Guest Editors:

Dr. Andrey E. Medvedev

Institute of Physics of Advanced
Materials, Ufa State Aviation
Technical University, 12 Karl Marx
st., 450097 Ufa, Russia

Dr. Lunyong Zhang

School of Materials Science and
Engineering, Harbin Institute of
Technology, Harbin 150001,
China

Deadline for manuscript
submissions:

closed (31 August 2023)

Message from the Guest Editors

Symmetry is a basic feature of metallic materials. The properties and behavior of materials used in engineering systems daily correlate with the symmetry concept, being determined by the symmetry features on many levels of microstructure, from point defects to texture. The intentional use of symmetrical and/or asymmetrical structures in mechanical engineering, materials science, solid materials, as well as in many other fields of application allows progress in the use of functional materials today.

This Special Issue invites researchers to submit original research papers related to materials science, mechanical engineering, and various applications of metallic materials in crystalline and also noncrystalline state where theoretical or practical issues of symmetry are considered.





symmetry



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

ICREA, P. Lluis Companys 23,
08010 Barcelona and 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 Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (*General Mathematics*); Q1 (*Physics and Astronomy*); Q1 (*Computer Science*)

Contact Us

Symmetry Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/symmetry
symmetry@mdpi.com
X@Symmetry_MDPI