

Special Issue

Advances in Mechanics and Control II

Message from the Guest Editors

The key factor of creation efficient optimization methods in mechanics and control is revealing the regularities in complex technical and nature processes and provides them for analytical and numerical-analytical modeling. The level of penetration into the black box of this phenomenon could be estimated by the level of symmetry in its mathematical description. Papers devoted to research on the regularities of complex phenomena in mechanics and control using neurotechnology, machine learning, other up-to-date mathematical instruments and information technology are most welcome. Applications are planned to be in aerospace as a recommended area, including its connected fields. We solicit contributions for the relevant problems of space mission and system design, satellite constellation and formation flying, space traffic management, space debris removal, aerospace robotic vehicle control, Earth remote sensing, and geoinformation systems.

- mechanics and control
- neurotechnology and machine learning
- space mission and system design
- satellite constellation and formation flying
- space traffic management
- space debris removal
- aerospace robotic-vehicle control

Guest Editors

Prof. Dr. Yury Razoumny

Prof. Dr. Arun K. Misra

Prof. Dr. Renuganth Varatharajoo

Dr. Vladimir Razoumny

Deadline for manuscript submissions

closed (31 May 2024)



Symmetry

an Open Access Journal
by MDPI

Impact Factor 2.2
CiteScore 5.3



mdpi.com/si/152169

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, CAPus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Multidisciplinary Sciences) / CiteScore - Q1 (General Mathematics)