

# Special Issue

## Dynamic Systems and Mechanics—2nd Edition

### Message from the Guest Editors

Mechanical systems are material structures in the form of solid bodies with elastic, viscous, or plastic connections which have been made to satisfy the functional, structural, strength, and stability requirements specific to a particular engineering project. Essentially, the class of mechanical systems comprises the following categories:

- Structures of rigid bodies or deformable bodies with connections;
- dynamic equipment and machines whose functional performance can be expressed by vibration or technological force parameters;
- support platforms for the viscoelastic support of optoelectronic equipment, lasers, and Gamma ray generators;
- systems and devices for protection against noise, vibration, and seismic movements; structures, buildings, bridges, and viaducts with protection against seismic movements;
- biosystems for analyzing the behavior of the human body in variable motion in time and space...

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### Guest Editors

Prof. Dr. Gilbert-Rainer Gillich

Prof. Dr. Polidor Bratu

Prof. Dr. Nicolae-Doru Stanescu

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### Deadline for manuscript submissions

closed (30 April 2025)



## Symmetry

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## 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.

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### Editor-in-Chief

Prof. Dr. Sergei Odintsov

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