

Special Issue

Symmetry/Asymmetry in Structural Dynamics and Structural Health Monitoring

Message from the Guest Editors

With continuous development taking place in the field of structural engineering, research on structural dynamics and structural health monitoring has been receiving increasing attention. Symmetry and asymmetry play a crucial role in structural systems, affecting the vibration characteristics, dynamic responses, and health monitoring of structures. This Special Issue welcomes innovative contributions on structural dynamics and health monitoring. Topics of interest include, but are not limited to, the following:

- A comparative analysis of dynamic characteristics between symmetric and asymmetric structures.
- The influence of symmetry and asymmetry on modal analysis and dynamic responses in structural dynamics.
- Structural damage identification and health monitoring methods focusing on symmetry and asymmetry.
- Computational simulations and experimental studies on symmetry and asymmetry in structural dynamics and health monitoring.

Please note that all submissions should be within the scope of *Symmetry*.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2025)



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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.

Editor-in-Chief

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