



symmetry



an Open Access Journal by MDPI

Symmetry in Structural Health Monitoring (SHM) and Nondestructive Testing (NDT)

Guest Editors:

Prof. Dr. Shuncong Zhong

School of Mechanical
Engineering and Automation,
Fuzhou University, Fuzhou,
350116, PR China

Dr. Walter Nsengiyumva

School of Mechanical
Engineering and Automation,
Fuzhou University, Fuzhou
350116, China

Deadline for manuscript
submissions:

closed (31 October 2023)

Message from the Guest Editors

Dear Colleagues,

In this Special Issue, we mainly discuss the application of symmetry in various SHM and NDT/NDE of structural systems including but not limited to:

Application of signal processing methods for analyzing the symmetric information in SHM and NDT.

Numerical and FE analyses with reduced computational time in acquiring SHM information for symmetric structures.

Symmetric engineering structures and their SHM methodologies.

Mathematical modeling of symmetric engineering structures for SHM and NDT.

Symmetry in sensors arrangements/placements and methods of data collection for SHM and NDT.

Symmetric computational techniques for structural health monitoring.

Application symmetry in structural health monitoring and reliability estimation.

Symmetry beauty in engineering structural health monitoring.



mdpi.com/si/111381

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

1. Institució Catalana de Recerca
i Estudis Avançats (ICREA),
Passeig Luis Companys, 23,
08010 Barcelona, Spain
2. Institute of Space Sciences
(ICE-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