



*symmetry*

an Open Access Journal by MDPI



## Symmetry, Finite Element Analysis, and Intelligent Sensing and Monitoring: Applications in Engineering

Guest Editors:

**Prof. Dr. Xiangyang Xu**

School of Rail Transit, Soochow University, Suzhou 215006, China

**Prof. Dr. Hao Yang**

School of Transportation and Civil Engineering, Nantong University, Nantong 226019, China

Deadline for manuscript submissions:

**closed (31 March 2024)**

### Message from the Guest Editors

This Special Issue aims to synthesize state-of-the-art developments in the area of finite element analysis, symmetry modelling, and intelligent sensing. Papers related to the new developments of finite element analysis with respect to theoretical, computational, models and experimental techniques, as well as their applications in science and technology, will be considered.

Papers that cover a broad range of issues including (but not limited to):

1. Finite element analysis;
2. Multi-sensor measurement;
3. Structural health monitoring;
4. Deformation analysis;
5. Intelligent sensing;
6. Geometric modelling.

Submit to our Special Issue at:

[https://www.mdpi.com/journal/symmetry/special\\_issues/finite\\_e](https://www.mdpi.com/journal/symmetry/special_issues/finite_e)



[mdpi.com/si/91588](https://www.mdpi.com/si/91588)

# 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