



## N/MEMS Intelligent Structures: Design, Manufacturing, and Control

Guest Editors:

**Dr. Zhongjing Ren**

**Prof. Dr. Li Wang**

**Dr. Ziran Wang**

**Dr. Junjun Ding**

Deadline for manuscript  
submissions:

**15 June 2024**

### Message from the Guest Editors

The past few decades have witnessed revolutionary progress in N/MEMS technologies and applications; one of the most promising directions is the wider uses of intelligent structures in such fields as actuators, sensors, energy harvesters, and versatile micro robots for diverse applications in the future. As a result, emerging issues in the design, manufacturing and control of N/MEMS devices partially or wholly composed of smart materials and structures have attracted huge amounts of attention. Finite element analysis, analytical method analysis and experimental validation of intelligent structures have proven to be effective approaches to comprehensively understanding the physical and mechanical behaviors of these N/MEMS devices.

The aim of this Special Issue is to explore the recent advances in the field of N/MEMS intelligent structures and systems for medical devices, micro robots, flexible electronics, chip-scale spacecraft/aircraft, etc. Full papers, reviews and communications on the design, modeling, manufacturing, experimentation and control of N/MEMS intelligent structures are all welcome.





## Editor-in-Chief

## Message from the Editor-in-Chief

You are invited to contribute research articles or comprehensive reviews for consideration and publication in *Micromachines* (ISSN 2072-666X). *Micromachines* is published in the open access format. Research articles, reviews and other contents are released on the internet immediately after acceptance. The scientific community and the general public have unlimited free access to the content as soon as it is published. As an open access journal, *Micromachines* is supported by the authors or their institutes by payment of article processing charges (APC) for accepted papers. We are pleased to welcome you as our authors.

## 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), PubMed, PMC, Ei Compendex, dblp, and other databases.

**Journal Rank:** JCR - Q2 (*Chemistry, Analytical*) / CiteScore - Q2 (*Mechanical Engineering*)

## Contact Us

Micromachines Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/micromachines](http://mdpi.com/journal/micromachines)  
[micromachines@mdpi.com](mailto:micromachines@mdpi.com)  
[X@micromach\\_mdpi](https://x.com/micromach_mdpi)