

# Special Issue

## MEMS Inertial Device

### Message from the Guest Editor

MEMS inertial device is the most widely used component of MEMS sensor, including MEMS gyroscope and MEMS accelerometer. It has the advantages of small size, light weight, low cost, mass production and good impact resistance. It has important application value and broad application prospect in national economy, national defense and military field. The development of the current information intelligent era has brought a new development opportunity for MEMS inertial devices, so that MEMS inertial devices have entered a new development stage of higher accuracy and higher reliability. Accordingly, this Special Issue seeks to showcase research papers, short communications, and review articles that focus on: (1) Microstructure optimization design of MEMS inertial device; (2) MEMS inertial device measurement and control system; (3) MEMS inertial device manufacturing technology; (4) Integrated application of MEMS inertial device. We look forward to receiving your submissions!

### Guest Editor

Prof. Dr. Huiliang Cao

Key Laboratory of Instrumentation Science & Dynamic Measurement, Ministry of Education, North University of China, Taiyuan 038507, China

### Deadline for manuscript submissions

closed (31 July 2023)



## Micromachines

an Open Access Journal  
by MDPI

Impact Factor 3.0  
CiteScore 6.0  
Indexed in PubMed



[mdpi.com/si/155950](https://mdpi.com/si/155950)

*Micromachines*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[micromachines@mdpi.com](mailto:micromachines@mdpi.com)

[mdpi.com/journal/  
micromachines](https://mdpi.com/journal/micromachines)





# Micromachines

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.0  
CiteScore 6.0  
Indexed in PubMed



[mdpi.com/journal/  
micromachines](https://mdpi.com/journal/micromachines)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Nam-Trung Nguyen

Queensland Quantum and Advanced Technologies Research Institute,  
Griffith University, West Creek Road, Nathan, QLD 4111, Australia

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, dblp, and other databases.

#### Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Mechanical Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2025).