Special Issue

MEMS Ultrasonic Transducers

Message from the Guest Editors

Ultrasonic transducers are widely used in medical imaging, industrial non-destructive testing, ultrasonic microscopes, ultrasonic radars, underwater ultrasound, ultrasonic measurement, and other fields. MEMS ultrasonic transducers are expected to push the application of ultrasound technology to a new level, realizing its application in emerging fields such as smartphones, automotive electronics, smart homes, autonomous driving, robotics, and medical devices. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but not limited to) the following:

- Piezoelectric micromachined ultrasonic transducers (PMUT);
- Capacitive micromachined ultrasonic transducers (CMUT);
- Micromachined ultrasonic transducers;
- Thin-film transducers;
- MEMS vector hydrophones;
- MEMS pressure sensors;
- MEMS transducer structure design and simulation;
- Micromachined 1-3 piezocomposite;
- Applications of MEMS transducers.

We look forward to receiving your contributions.

Guest Editors

Prof. Dr. Xiaohua Jian

Dr. Jiadong Li

Dr. Changde He

Dr. Zhuochen Wang

Deadline for manuscript submissions

closed (30 June 2025)

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Micromachines
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
micromachines@mdpi.com

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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

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