Special Issue

Micromachined Acoustic Transducers for Audio-Frequency Range

Message from the Guest Editor

Dear colleagues, Micro-electro-mechanical systems (MEMS) were first introduced to audible acoustics on the receiving side of the audible chain as microphones. After a few decades of academic and industrial research, the development of MEMS microphones made remarkable progress and became one of the most successful commercial products in the history of microsystem technology. In the last few years, the consumer industry has pushed towards a similar development on the other side of the audible chain, in the field of speakers. The design of an efficient speaker must overcome challenges emerging from basic laws of physics. Despite these design challenges, possible solutions have emerged. MEMS speaker development has gained increasing importance in corresponding roadmaps. This Special Issue will gather works on micromachined acoustic transducers for the audio-frequency range and provide a current state-of-the-art of this specific field related to audio applications. Authors are welcome to propose original research or review articles from the described field covering design ideas, technology approaches, characterization, tests, and applications.

Guest Editor

Dr. Libor Rufer
Université Grenoble Alpes, CNRS, Grenoble INP, TIMA, 38000 Grenoble, France

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

mdpi.com/journal/micromachines

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Message from the Editor-in-Chief

Micromachines (ISSN 2072-666X) is a forum for cutting-edge interdisciplinary research on micro and nanoscale science and technology. We emphasise the practical, real-world value of micro and nanotechnologies that will place *Micromachines* in a leading position among engineering and technology journals.

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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