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Micro/Nano Resonators, Actuators, and Their Applications

Guest Editors:

Prof. Dr. Hongping Hu
School of Aerospace Engineering, Huazhong University of Science and Technology, Wuhan 430030, China

Prof. Dr. Pei-Hsun Wang
Department of Optics and Photonics, National Central University, Taoyuan City 32001, Taiwan

Prof. Dr. Zhenghua Qian
College of Aerospace Engineering, State Key Laboratory of Mechanics and Control of, Mechanical Structures, Nanjing University of Aeronautics and Astronautics, Nanjing, China

Message from the Guest Editors

Dear Colleagues,

The resonator is the core component of sensors, oscillators, filters, modulators, and other devices. Resonators are being developed for use at high frequencies and at the micro/nano scale. This introduces many challenges such as scale effects, nonlinearity, temperature stability, high quality factors, and acceleration sensitivity. Therefore, for both resonators of surface wave and bulk acoustic waves, it is necessary to establish new physical models and to put forward effective solutions to the aforementioned challenges. New fabrication techniques, materials, and testing methods are also needed to improve the performance of resonators. The goal of this Special Issue is to seek innovative solutions that take advantage of unique material properties and original designs to push the performance of actuators and micro/nano resonators beyond what is conventionally achievable.

Deadline for manuscript submissions:
closed (31 October 2022)

mdpi.com/si/99744

Special Issue

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Editor-in-Chief

Prof. Dr. Ai-Qun Liu
1. Department of Electrical and Electronic Engineering, The Hong Kong Polytechnic University, Hong Kong, China
2. School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore 639798, Singapore

Message from the Editor-in-Chief

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Journal Rank: JCR - Q2 (*Physics, Applied*) / CiteScore - Q2 (*Mechanical Engineering*)

Contact Us

Micromachines Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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micromachines@mdpi.com
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