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Miniaturized Piezoelectric Devices: Design, Fabrication and Applications

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Deadline for manuscript submissions:

closed (30 November 2023)

Message from the Guest Editors

Dear Colleagues,

Electromechanical transducers that utilize the piezoelectric effect play an important role in a variety of applications where ultraminiaturized devices are required. Piezoelectric transducers ensure low-power operation, enabling electrical actuation and sensing. This Special Issue aims to collect research papers, short communications, and review articles that report the latest results and progress on piezoelectric microdevices (and their applications) with regards to microoptic components (e.g., micromirrors and tunable microlenses), acoustic microdevices (e.g., microphones and micro-loudspeakers), and microsensors in general. We are looking forward to showcasing miniaturized piezoelectric devices for compact, lightweight applications, as well as microstructures incorporating piezo-actuators/sensors fabricated with MEMS technology. Demonstrations of innovative sensing configurations in which miniaturized piezoelectric devices play a key role are also solicited and welcome.

We are looking forward to receiving your submissions.



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Special Issue



Editor-in-Chief

Message from the Editor-in-Chief

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