



sensors



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Recent Advances in Microelectromechanical Systems for Sensing Applications

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Message from the Guest Editor

Dear Colleagues,

In the last two decades, micromachined sensors have been widely adopted in various sectors, including mobile electronics, automotive, etc. Where traditional micromachined sensors have achieved a successful commercialization in inertial sensing and microphone applications, various microelectromechanical systems have been investigated for the next killer applications.

Recently, there has been wide development in the new applications. Implantable sensors have recently been investigated for in vivo monitoring and flexible/attachable sensors for continuous monitoring. The signal from an array of MEMS sensors can be used for biometric identification. Low-power or zero-power human monitoring sensors have been implemented using energy harvesting structures such as triboelectric nanogenerators. Acoustic MEMS transducers and sensors have been used for medical imaging applications.

This Special Issue will cover recent prominent studies on MEMS sensors in various aspects, such as the fabrication process, new materials, sensing techniques, and novel applications.

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Prof. Dr. Kwan Kyu Park

Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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