

Special Issue

Micro and Nanodevices for Sensing Technology

Message from the Guest Editor

This Special Issue aims to gather the community and highlight the relevance of micro- and nanodevices in the sensing field. We invite manuscripts for this forthcoming Special Issue on all aspects pertinent to nanosensors for general sensing applications, such as the development, testing, and modeling of any kind of micro- and nanosensors, advances in fabrication, etc. In this regard, studies in the fields of CMOS integration, microfluidic devices or novel transduction schemes are welcome. Topics include, but are not limited to, the following research areas:

- Biosensing and environmental analysis;
- Force sensing;
- Nanomechanical sensing;
- Optomechanical sensing;
- Surface plasmon resonance sensors;
- The fabrication of novel nanosensor platforms;
- New micro- and nanosensing schemes;
- Microfluidics;
- Microsensors and microactuators;
- Processes and fabrication technologies for miniaturized resonators;
- MEMS/NEMS transduction methods;
- Material research oriented to microsystem resonators.

Guest Editor

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Deadline for manuscript submissions

closed (25 February 2024)



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About the Journal

Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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