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Micro and Nanodevices for Sensing Technology

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Deadline for manuscript submissions:
closed (25 February 2024)

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.

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Message from the Editor-in-Chief

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