

Special Issue

MEMS, Flexible and Wearable Electronic Devices: Progress in Design, Optimization, Fabrication, Materials Integration, Packaging and Applications

Message from the Guest Editor

Research in MEMS and flexible and wearable electronic devices entails a holistic perspective at the crossroads of device design, materials, fabrication, integration, packaging, and application. Oftentimes, successful device demonstrations, be they for micromachined sensors/actuators, RF-MEMS, Bio-MEMS, flexible and/or wearable devices, require multiple iterations, cycling between design and fabrication to testing and characterization. Eventually, an optimized “system-level” integrated solution is reached. This Special Issue focuses on the progress in micro/nano-electro-mechanical-systems (MEMS/NEMS), micromachined sensors and actuators, and flexible and wearable electronic devices, with a particular emphasis on “system-level integration”, including new materials, the development of novel micro/nanofabrication approaches, the investigation of novel sensing modalities to detect and quantify physical, chemical or biological measurements, design and process optimization, packaging and/or assembly and heterogenous integration, to enable new applications and “More than Moore” devices.

Guest Editor

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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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