Special Issue

Micro/Nanoelectromechanical Systems (MEMS/NEMS)

Message from the Guest Editors

Micro/nanoelectromechanical systems (MEMS/NEMS) have offered a viable platform to implement sensors and actuators, from commercially available transducers for real-world applications to novel transducers with significant transformative attributes. Their potential in a wide range of applications including permittivity measurements and material characterizations, medical diagnostics, and non-invasive measurements provides significant opportunity for the research community to explore innovative approaches that address the need for scalable, high-precision, and highly efficient transducers. The novel designs, materials, micro/nanofabrication techniques, and applications of various MEMS/NEMS are widely studied in biological detection, physical sensing, and quantum coupling. This Special Issue on "Micro/Nanoelectromechanical Systems (MEMS/NEMS)" highlights the latest research in MEMS and NEMS with a focus on new materials and structures added in mainstream micro/nanofabrication methods.

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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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