Special Issue

Flexible Piezoelectric Transducers and Applications Based on Sensors and Actuators

Message from the Guest Editor

Flexible electronics are becoming more and more attractive for many different traditional and novel application fields, showing significant advantages such as a lightweight and ultra-thin design, compatibility with large area manufacturing tools such as printing, and additional unique features such as transparency. Moreover, piezoelectric transducers can be realized as flexible devices, enabling an “imperceptible” integration of such sensors or actuators, e.g., onto uneven surfaces such as human skin or “hidden” within book pages. This Special Issue targets the publication of novel ideas and research work on flexible piezoelectric transducers and their applications. Research can focus on novel device design and set-ups (multi-layer design, sensor-actor networks, etc.), the manufacturing technology (conventional or digital printing, coating, etc.), material improvements (for improving piezoelectric properties, frequency behavior, layer quality, etc.), and/or novel applications (sensor/actuator arrays, health diagnostics, acoustics, haptics, etc.).

Guest Editor

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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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