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Sensors Based on Piezoelectric Materials

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Deadline for manuscript
submissions:

closed (30 May 2020)

Message from the Guest Editor

Piezoelectric materials are considered to be smart or intelligent materials, capable of transforming mechanical energy into electrical energy, usually called the direct piezoelectric effect, and also to convert electrical energy into mechanical energy, called the converse piezoelectric effect. Their unique properties led to the development of various transducers in the form of actuators and sensors. The present Special Issue is dedicated to sensors made of piezoelectric materials, and it aims to highlight innovative piezoelectric sensors. Manuscripts addressing a wide range of piezoelectric sensors are sought, including (but not limited to) recent developments in the following domains: sensors for medical diagnostics, flaw detection using piezoelectric sensors, sensors for non-destructive structural health monitoring, MEMS sensors, flexible and wearable sensors, lead-free sensors, sensors for control systems, monitoring vibration using piezoelectric sensors, new innovative smart sensors, etc. Both review articles and original research papers relating to piezoelectric sensors are welcomed.



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Special Issue



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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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