Special Issue

Sensors Based on Piezoelectric Materials

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.

Guest Editor

Dr. Haim Abramovich

Aerospace Structures Laboratory, Faculty of Aerospace Engineering, Technion-Israel Institute of Technology, 32000 Haifa, Israel

Deadline for manuscript submissions

closed (30 May 2020)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/22841

Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

mdpi.com/journal/sensors

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/journal/sensors

MDPI

About the Journal

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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro
Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, MEDLINE, PMC, Ei Compendex, Inspec, Astrophysics Data System, and other databases.

Journal Rank:

JCR - Q2 (Instruments and Instrumentation) / CiteScore - Q1 (Instrumentation)