Special Issue

Advanced Acoustic Sensing Technology

Message from the Guest Editor

As an important instrument that can convert a sound signal into electrical signal, acoustic sensors are widely used in various fields such as healthcare, geophysics, and agriculture. Based on different theories, there are two kinds of acoustic sensitivity, namely, piezoelectric acoustic sensors and capacitive acoustic sensors. In addition, fiber-based distributed acoustic sensors as powerful instruments are becoming an interesting research issue in acoustic field analyzing. Different acoustic sensors are sensitive in different frequency ranges. Ultrasound, whose frequency is over 20 kHz, is a common spectrum in research, allowing us to perform activities such as health monitoring and non-destructive material testing. The signal from sensors can be handled through an advanced intelligent algorithm. This Special Issue shall present articles as an overview across advanced acoustic sensing technology, such as acoustic sensitivity, piezoelectric transducer, capacitive acoustic sensors, and distributed acoustic sensors, in recent years. Submission of both review articles and original research papers relating to piezoelectric transducer on health monitors will be much appreciated.

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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