Special Issue

Intelligent Sound Measurement Sensor and System

Message from the Guest Editors

The aim of this Special Issue in sound measurement for uncertain environments is to contain the latest developments in intelligent algorithms (using different neural networks (NNs) such as the auto encoder, support vector regression, deep neural network, and others) with sensors operating in uncertain environments. Relevant technologies enhancing measurement, dexterity, stability, flexibility, and user experience are desired. Researchers involved in room or environment acoustics should find this particular issue extraordinary, and it will provide the latest perspective on the state-of-the-art. **Topics of interest include (but are not limited to) the following areas:**

- Sensor design and implementation
- Sound diffusion
- Sound localization
- Room acoustics design
- Signal processing and pattern recognition
- Wireless communication systems
- Multisensor fusion
- Intelligent embedded system design
- Autonomous measurement systems
- Image-based and signal-based processing
- Identification and detection
- Machine learning methods
- Swarm intelligence and evolutionary algorithms

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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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