Special Issue

Acoustic Sensing for Musical Instrument Study and Vocal Analysis

Message from the Guest Editor

Artificial intelligence can process the acoustic data gathered from these advanced sensors. Moreover, new structures and materials, such as carbon fibers or novel musical instruments, have been developed. Advanced sensors facilitate the exploration of the properties of new instruments and materials, and they can enhance the instrument quality during fabrication. These sensing techniques not only deepen our understanding of instrument physics, but also have practical applications in improving instrument craftsmanship.

This Special Issue seeks to compile scientific findings related to advanced sensors used for analyzing musical instruments and vocals, as well as the exploration of the physical properties of musical instruments featuring new structures or innovative designs. We encourage novel research focusing on acoustic studies of musical instruments which employ sensors. Additionally, contributions examining results derived from sensor data analysis aided by artificial intelligence are highly encouraged. For more details, please visit here.

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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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