

Special Issue

Acoustic Event Detection and Sensing

Message from the Guest Editor

Recently, there have been many research works undertaken using various types of sensors such as cameras, gyro sensors, chemical sensors, and so on to provide better quality of life to the users. Especially, acoustic sensing is one of five senses through which human beings interact with nature, and it is somewhat more important than visual sensing when the visual sensing from video cameras is unreliable. For example, acoustic sensing signals can be used for surveillance systems to detect and localize ambient sounds in order to protect people in danger, including rescue voice, car crashes, explosions, etc. In this Special Issue, we focus on approaches based on machine learning or deep learning in acoustic event detection and sensing, including indoor or outdoor activity monitoring, emergency or event detection like fire alarms or patients falling in hospitals, and the localization of acoustic sources for contextual information extraction. For further information about the topics of interest, please visit:

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Guest Editor

Prof. Dr. Hong Kook Kim

School of Electrical Engineering and Computer Science and AI Graduate School, Gwangju Institute of Science and Technology, Gwangju 61005, Korea

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

[mdpi.com/journal/sensors](https://www.mdpi.com/journal/sensors)





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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.

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

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