



sensors



an Open Access Journal by MDPI

Sound Monitoring Acoustic Sensor Network Design for Urban and Suburban Environments

Guest Editors:

Dr. Rosa Ma Alsina-Pagès

GTM—Grup de recerca en
Tecnologies Mèdia, La Salle—
Universitat Ramon Llull, c/Quatre
Camins, 30, 08022 Barcelona,
Spain

Dr. Giovanni Zambon

Department of Earth and
Environmental Sciences,
Università degli Studi di Milano-
Bicocca, Milan, Italy

Deadline for manuscript
submissions:

closed (20 September 2022)

Message from the Guest Editors

So far, several noise mapping sensors, networks and platforms have been developed and deployed in some cities and suburban environments. This new approach is devoted to sound, and not just noise (which is usually limited to non-desired sounds). This new wireless acoustic sensor network requires broad knowledge in several disciplines: accurate hardware design for the acoustic sensors; artificial intelligence algorithms to differentiate the sources of noise; network structure design; information management, and graphical user interface design to communicate the results to users. This Special Issue focuses on all the technologies necessary for development of an efficient wireless acoustic sensor network, from the early design stages through to deployment testing, performance, and policy implications. This Special Issue, prepared by two guest editors, describes the latest trends in worldwide WASN design projects aimed at the design and implementation of smart acoustic sensor networks. The focus of the contributions is on good practice, suitable for the design and deployment of intelligent networks in other locations.



mdpi.com/si/49087

Special Issue



sensors



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 Bari, Italy

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.

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)

Contact Us

Sensors Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)