

Special Issue

Sensor-Based Smart Homes and Automatic Management

Message from the Guest Editor

Smart homes have been researched for more than two decades. The standard approach to building smart homes is to computerize them. A set of sensors gather different types of data, and computers or devices with computing power analyze these data to identify actions of residents or events and then respond to these actions and events by controlling certain mechanisms that are built into the home. With recent advances in electronics and computing, sensing technologies and computing power required to implement a smart home are now available in small sizes, low prices, and energy efficiency. Advances in sensors and sensor management are also increasing the capabilities for sensor-based smart homes. However, providing the intelligence that is required to make decisions for smart behavior is still a challenging task, and even more so the integration of new sensors in those solutions. This Special Issue aims to provide a forum for sensor-based solutions overcoming barriers enabling the wide spread of solutions on operational real situations for sensor-based smart homes and automatic management. For more information, please click: mdpi.com/si/63441.

Guest Editor

Prof. Dr. Tomas Enrique Robles Valladares

E.T.S.I. Telecommunication, Technical University of Madrid, E-28040 Madrid, Spain

Deadline for manuscript submissions

closed (31 August 2021)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/63441

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

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





Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



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



About the Journal

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

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)