Special Issue

Artificial Intelligence and Sensors in Smart Buildings

Message from the Guest Editor

In the Big Data era, Artificial Intelligence (AI) techniques and Internet of Things (IoT) systems have increased the capabilities of building systems by allowing them to learn, reason, and adapt to new scenarios. Smart Buildings deal with optimizing buildings' performance by leveraging Information and Communication Technology (ICT). This field derives into two main currents from a computer science view, which focuses first on the occupant's well-being (e.g., indoor air quality) and second on the operativity of the underlying architecture of the Building Management System (BMS) (e.g., Big Data storage). The occupants' well-being sub-fields study how users can deal with buildings' diverse energy sources (e.g., solar panels and wind turbines), reduce energy consumption, and enhance services, such as thermal comfort, healthcare, indoor navigation, air quality, illumination, and localization. On the other hand, BMS's architecture studies focus on optimizing the underlying system that supports the services for occupants.

Guest Editor

Prof. Dr. Christophe Nicolle
CIAD UMR 7533, Université de Bourgogne, UB, FR 21000 Dijon, France

Deadline for manuscript submissions

closed (10 April 2024)

Sensors

an Open Access Journal by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed

mdpi.com/si/180891

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

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

MDPI

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)