

Special Issue

Smartphone Sensors and Their Applications

Message from the Guest Editors

Smartphones incorporate a variety of sensors that can appreciably enhance their capabilities and become very useful tools beyond their basic functions for making phone calls, surfing the internet, or texting. For instance, they can bear barometers, accelerometers, luxmeters, pressure sensors, and gaussmeters, among others, which can be used to make measurements with a good level of precision. Even when we may not be aware of it, many mobile applications, like pedometers, video games, code scanners, or compasses, use data collected by sensors. The number of applications of smartphone sensors has increased over the years and spans many areas of science and technology. We kindly invite researchers and professionals from different disciplines to contribute to this Special Issue with their recent works on smartphone sensors. Contributions in areas (but not limited to) such as education, healthcare, well-being, disease diagnosis, environmental sciences, and elderly care are especially welcome. We also encourage publications on cost-effective, low-cost, and highly innovative smartphone sensors, with a focus on their utility for a broad public.

Guest Editors

Prof. Dr. Juan A. Monsoriu

Centro de Tecnologías Físicas, Universitat Politècnica de València, E-46022 Valencia, Spain

Dr. Juan Carlos Castro-Palacio

Centro de Tecnologías Físicas, Universitat Politècnica de València, 46022 Valencia, Spain

Deadline for manuscript submissions

30 December 2025



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/196719

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)