Special Issue

Sensor-Based Behavioral Biometrics

Message from the Guest Editors

Behavioral biometrics is a subfield of the science of personal identification. The main goal is to build a unique pattern of behavior of a certain type of activity of a person by which they can be identified. In the broader sense, however, biosignals can also be added as a reflection of the functioning of certain human organs. Among the cognitive ones, we can count the movement of the eyes when perceiving textual information, searching for an object in a scene, searching for mistakes or repetitions, counting certain types of objects, the way of working on the Internet, etc. In the field of biosignals, there are already developments for biometrics based on eye movement, ECG and EEG signals, human breathing, etc. Behavioral biometrics can be seen as a powerful additional means of identification. With the development of various methods of behavioral biometrics, it is expected that in the near future, it will find a place in almost all digital devices and helps prevent different types of fraud. **Keywords:**

- sensors/sensing
- biometrics
- biometric recognition
- biosignal
- ECG/EEG/EMG/EOG signal sensing
- biometric systems

Guest Editors

Dr. Kiril Alexiev

Institute of Information and Communication Technologies, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria

Dr. Virginio Cantoni

Computer Engineering, University of Pavia, Pavia, Italy

Deadline for manuscript submissions

10 November 2025

Sensors

Sensors

an Open Access Journal by MDPI

**Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed**

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)