

Special Issue

Intelligent Measurements and Interpretation of Wireless Systems for Continuous Vital Sign Monitoring

Message from the Guest Editor

Monitoring vital signs using continuous and wireless sensors is an area that is gaining traction, and reports indicate that such sensors and systems possess a high sensitivity for detecting important deviations in vital signs. This includes hospitalized patients that are not in ICU or other high-dependency units, and the monitoring of vital signs may continue after hospital discharge. Analyses of how to interpret the board data streams of vital signs are therefore key to the implementation of these new technologies. Furthermore, modalities other than the traditional vital signs (blood pressure, oxygen saturation, etc.) such as blood glucose, lactate, etc., may provide even better continuous predictions of upcoming complications. This Special Issue calls for research articles covering, but not limited to, clinical investigations of patient data in or out of hospital with the aim of describing vital sign deviations in specific settings; describing algorithms for vital sign interpretation; validating new vital sign sensors; validating the clinical impact of using continuous vital sign sensors; and addressing the existing literature on the subject.

Guest Editor

Prof. Dr. Christian Sylvest Meyhoff

1. Department of Anaesthesia and Intensive Care, Copenhagen University Hospital—Bispebjerg and Frederiksberg, DK-2400 Copenhagen, Denmark

2. Department of Clinical Medicine, University of Copenhagen, DK-2100 Copenhagen, Denmark

Deadline for manuscript submissions

closed (25 December 2025)



Sensors

an Open Access Journal
by MDPI

Impact Factor 3.5
CiteScore 8.2
Indexed in PubMed



mdpi.com/si/200413

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