



## Advanced Physiological Sensing

Guest Editor:

**Prof. Dr. Jari Viik**

BioMediTech Institute and  
Faculty of Biomedical Science  
and Engineering, Tampere  
University of Technology,  
Tampere, Finland

Deadline for manuscript  
submissions:

**closed (30 April 2018)**

### Message from the Guest Editor

Dear Colleagues,

Physiological sensing deals with the sensors and analyses of different biological signals. Developed applications have mainly been for clinical and medical purposes in hospitals, healthcare centers, and clinics. The current trend in healthcare is that citizens will actively participate in health promotion and follow their own state of health. Nowadays, there are a wide array of different devices available for consumers to measure and follow physiological signals. The aim of this Special Issue is to bring together innovative sensors and actuators for non-invasive physiological sensing applications. Papers addressing a new technology, novel course of action, unobtrusiveness, and integration in garments or environment are sought.

Both review articles and original research papers relating to the sensors and actuators in non-invasive physiological sensing applications are solicited.

- physiological sensing
- medical use
- health monitoring
- wellbeing applications
- ambient
- ambulatory
- non-invasive





# sensors



an Open Access Journal by MDPI

## 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

## 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.

## 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 & Instrumentation*) / CiteScore - Q1 (*Instrumentation*)

## Contact Us

*Sensors* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/sensors](http://mdpi.com/journal/sensors)  
[sensors@mdpi.com](mailto:sensors@mdpi.com)  
[X@Sensors\\_MDPI](#)