



## Wearable Technology for Occupational Risk Assessment and Prevention

Guest Editors:

**Dr. Ignacio Pavón**

Instrumentation and Applied  
Acoustics Research Group (I2A2),  
ETSI Industriales, Universidad  
Politécnica de Madrid, 28031  
Madrid, Spain

**Dr. Juan Manuel López**

Grupo de Investigación en  
Instrumentación y Acústica  
Aplicada, Departamento de  
Telemática y Electrónica,  
Universidad Politécnica de  
Madrid, 28040 Madrid, Spain

**Dr. Néilson Costa**

ALGORITMI Research Center,  
School of Engineering, University  
of Minho, 4800-058 Guimarães,  
Portugal

Deadline for manuscript  
submissions:

**closed (20 April 2022)**



[mdpi.com/si/63198](https://mdpi.com/si/63198)

### Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to highlight the most recent research regarding wearables for occupational risk assessment and prevention, sensor-based technics for accident and illness reduction, and more generally, sensor-based methods and technics to obtain safer occupational environments.

Contributions that address, but are not restricted to, the following topics are welcome:

- Wearable sensors;
- Reliability and validity of sensor-based measurements;
- Sensor-based feedback on motor performance, motion and activity detection;
- Recognition of work-related musculoskeletal disorders by sensors and/or wearable devices;
- Fall detection systems;
- Innovative applications for monitoring occupational safety and health risk factors;
- Smart clothing/textiles technologies for monitoring occupational safety and health risk factors;
- Smart-phone innovative applications for monitoring occupational safety and health risk factors;
- Wearable Technology for physical, chemical and / or biological exposure monitoring;
- Body sensors networks.



*sensors*



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Vittorio M. N. Passaro**

Department of Electrical and  
Information Engineering,  
Politecnico di Bari, Via Orabona  
4, 70126 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 and Instrumentation) / CiteScore - Q1 (Instrumentation)

## Contact Us

---

*Sensors* Editorial Office  
MDPI, Grosspeteranlage 5  
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](#)