

## Special Issue

# Brain-Computer Interfaces for Robotics and Environmental Control

### Message from the Guest Editors

Brain-computer interfaces (BCIs), also referred to as brain-machine interfaces (BMIs), have been developed to provide those who have lost normal communication pathways with a new mode of communication. Among the diverse application fields of BCIs, this Special Issue focuses on the BCI technologies applicable to robotics and environmental control. The target devices can range from traditional assistive devices, such as robotic arms and electric wheelchairs, to home appliances and mobile devices. Original papers that describe innovative BCI applications and research reports including practical use cases of implemented BCIs are especially welcome. We look forward to and welcome your participation in this Special Issue.

### Guest Editors

Prof. Dr. Chang-Hwan Im

Department of Biomedical Engineering, Hanyang University, 222 Wangsimni-ro, Seongdong-gu, Seoul 133-791, Republic of Korea

Dr. Sung-Phil Kim

College of Information-Bioconvergence Engineering, Department of Biomedical Engineering, UNIST, Ulsan 44919, Korea

### Deadline for manuscript submissions

closed (29 March 2021)



## Sensors

---

an Open Access Journal  
by MDPI

---

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



[mdpi.com/si/48871](https://mdpi.com/si/48871)

*Sensors*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sensors@mdpi.com](mailto: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)