



sensors



an Open Access Journal by MDPI

Advances in Principles, Methods and Applications of Brain-Computer Interaction

Guest Editors:

Dr. Serafeim Perdikis

Brain-Computer Interfaces and
Neural Engineering Laboratory,
School of Computer Science and
Electronic Engineering, University
of Essex, Colchester, UK

Dr. Athanasios Vourvopoulos

Institute for Systems and
Robotics-Lisboa, Instituto
Superior Técnico, Universidade
de Lisboa, 1049-001 Lisbon,
Portugal

Deadline for manuscript
submissions:

30 July 2024

Message from the Guest Editors

Brain–computer interfaces (BCIs) represent a continuously growing research field that originated in an attempt to enable subjects with severe neuromuscular disorders to communicate and interact with the world around them. Advances in the capabilities of sensors, computation devices, and wireless technologies, as well as in signal processing, machine learning and neuroscience methods have expanded the BCI concept, and it is now subject to investigation in a wide range of fields such as remote healthcare, industry, marketing, education, and gaming. Recently, the use of BCI technology in other aspects of daily life, including mental load management, decision making, neuro-marketing, and gaming, has been explored. As the aspiration is that BCI technology will gradually move towards use in practical applications, the need for more reliable and robust solutions for detecting user intent is, in the current landscape, as urgent and important as it ever has been.

This Special Issue aims to collect papers on a broad spectrum of specific topics reflecting recent advances in the methodology, design and applicability of BCI.

For more details, please visit [here](https://www.mdpi.com/si/161595).



[mdpi.com/si/161595](https://www.mdpi.com/si/161595)

Special Issue



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

mdpi.com/journal/sensors
sensors@mdpi.com
[X@Sensors_MDPI](#)