

Special Issue

Brain – Computer Interfaces: Challenges and Applications

Message from the Guest Editor

Brain–computer Interfaces emerged a five decades ago as a new communication technology to permit subjects with severe neuromuscular disorders to communicate and interact with the outer world. The rapid development of wireless technology opened the door for out-of-the-lab applications, such as in the field of entertainment, industry, marketing, and education. More and more new applications of brain-computer technology are emerging, including the Internet of Things. This Special Issue will explore the advances, challenges, and future prospects of both non-invasive and invasive Brain–Computer Interfaces technology. The scope of the release includes, among others: BCI Technology, Analysis of biomedical signals, Modeling – Neuroinformatics, Biomedical Engineering, Control and Robotics, Computer Engineering, Cognitive science – Bioethics, Neurobiology – Neurosurgery, Neurorehabilitation – Biofeedback, Biophysics – Biochemistry.

Guest Editor

Prof. Dr. Szczepan Paszkiel

Faculty of Electrical Engineering, Automatic Control & Informatics,
Opole University of Technology, Opole, Poland

Deadline for manuscript submissions

closed (31 December 2022)



NeuroSci

an Open Access Journal
by MDPI

Impact Factor 1.6
Indexed in PubMed



mdpi.com/si/78029

NeuroSci
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
neurosci@mdpi.com

[mdpi.com/journal/
neurosci](https://mdpi.com/journal/neurosci)





NeuroSci

an Open Access Journal
by MDPI

Impact Factor 1.6
Indexed in PubMed



[mdpi.com/journal/
neurosci](https://mdpi.com/journal/neurosci)



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Dr. François Ichas

Institut des Maladies Neurodégénératives, CNRS et Université de
Bordeaux, UMR 5293, Bordeaux, France

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid
by authors or their institutions.

High Visibility:

indexed within ESCI (Web of Science), PMC, PubMed,
EBSCO, and other databases.

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 19.9 days after
submission; acceptance to publication is undertaken in 4.7
days (median values for papers published in this journal in
the second half of 2024).