



an Open Access Journal by MDPI

Advances in Technology of Brain-Computer Interface

Guest Editors:

Dr. Szczepan Paszkiel

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

Dr. Ningrong Lei

Department of Engineering and Mathematics, Sheffield Hallam University, Sheffield S1 1WB, UK

Prof. Dr. Maria António Castro

Higher School of Health, CitechCare, CDRSP, Polytechnic Institute of Leiria, 2411-901 Leiria, Portugal

Deadline for manuscript submissions: closed (30 December 2022)

Message from the Guest Editors

Brain-computer interface technology (BCI) emerged 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 has opened the door for out of the lab applications, such as in the field of entertainment, neurogaming, industry, education, and neuromarketing. More and more new applications of BCI technology are emerging, including implementations in motor imagery.

This Special Issue on "Technology of Brain–Computer Interface in Practice Implementation" will explore the implementations and future prospects of both noninvasive and invasive BCI technology. The scope of the release includes, among others, BCI technology, machine learning, motor imagery, analysis of biomedical signals, modeling–neuroinformatics, biomedical engineering, control and robotics, and computer engineering.









an Open Access Journal by MDPI

Editor-in-Chief

Message from the Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 www.mdpi.com mdpi.com/journal/applsci applsci@mdpi.com X@Applsci