

Special Issue

Current Status and Development on the Brain-Computer Interface

Message from the Guest Editors

The technology behind BCIs involves a complex interplay of neuroscience, cognitive science, engineering, and computer science. Despite the significant advancements made in recent years, several challenges persist. One of the primary hurdles is achieving high signal accuracy and reliability, as brain signals can be noisy and difficult to interpret. BCIs also require sophisticated algorithms to decode the neural signals accurately and translate them into executable commands. User adaptability is another critical issue, as the system must be intuitive and responsive to individual users' unique neural patterns. Developing new user training protocols for brain-computer interfaces is crucial to enhancing their effectiveness and accessibility for a broader range of individuals. Furthermore, there are ethical considerations, particularly concerning privacy and the potential for misuse of neural data. As research and development continue to advance, the future of BCIs holds great promise, potentially revolutionizing how we interact with technology and improving the quality of life for many individuals.

Guest Editors

Dr. Camille Jeunet

Dr. Hakim Si-Mohammed

Dr. Lea Pillette

Deadline for manuscript submissions

closed (20 November 2024)



Technologies

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 8.5



mdpi.com/si/205689

Technologies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
technologies@mdpi.com

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





Technologies

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 8.5



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



About the Journal

Message from the Editor-in-Chief

Technologies, provides a single focus for reporting on developments of all technologies, regardless of their application. It is our intention that *Technologies* becomes the journal of choice for both researchers wanting to publish their work and technologists wishing to exploit the high quality research across a wide range of potential applications. Through its open access policy, its quick publication cycle, *Technologies* will facilitate the rapid uptake and development of the research presented, ultimately providing benefit to the wider society.

Editor-in-Chief

Prof. Dr. Manoj Gupta

Department of Mechanical Engineering, National University of
Singapore, Singapore 117576, Singapore

Author Benefits

High Visibility:

indexed within ESCI (Web of Science), Scopus, Inspec, Ei
Compendex, INSPIRE, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1
(Computer Science (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is
provided to authors approximately 21.8 days after
submission; acceptance to publication is undertaken in 3.9
days (median values for papers published in this journal in
the first half of 2025).