Special Issue

Foundations of Cognitive Neuroergonomics

Message from the Guest Editors

The focus of this Special Issue is on classical and emerging methods of investigating the human brain in relation to behavioral performance and technical systems in natural and simulated environments. Scholars around the world are invited to provide submissions that describe any aspects of relations between brain activity, human behavior, complex tasks, and technology. Applications to investigation of cognition, emotion, perception, decision making, attention, working memory, cognitive workload, performance monitoring, human–machine-interaction, brain–computer interface, and brain- and mind-adaptive technologies are welcome. This Special Issue was initiated by Boris Velichkovsky. Due to his untimely dead in the process of preparation, we dedicate this collection of contributions to his work in the field of neuroergonomics. Keywords

- neuroergonomics
- human–machine and human–robot interaction
- perception
- cognition
- appied neuroimaging and neurostimulation
- brain–computer and eye–brain–computer interfaces
- virtual and augmented reality

Guest Editors

Prof. Dr. Boris M. Velichkovsky

Prof. Dr. Edmund Wascher

Prof. Dr. Sebastian Pannasch

Deadline for manuscript submissions

closed (10 February 2023)

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/103804

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

About the Journal

Message from the Editor-in-Chief

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)