

Special Issue

Electroencephalography 3.0: From the Laboratory to the Mass-Market for a Daily-Life Use

Message from the Guest Editors

Electroencephalography (EEG) is a well-established neuroimaging tool to record brain electrophysiological activity. Developed almost one century ago, it has been employed as the main non-invasive tool for investigating brain activity with regard to clinical pathologies, such as epilepsy, post-stroke injuries, sleep disorders and brain damages. Besides the mere medical purposes, EEG has been also one of the main research tools within the neuroscientific field, where brain activity is investigated in relation to human behavior. During the last decade the EEG is living its “third revolution”: new wearable EEG devices have been developed to be employed outside the traditional research laboratories. The aim of the present special issue is to collect up to date research and works on new and innovative technologies and methods for EEG-based applications with healthy people and/or patients, with a specific focus on challenges and concerns related to “out-of-the-lab” context. We are inviting original research work that can potentially lead to significant advances in EEG research for a daily-life deployment.

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You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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