Special Issue

Studies in Human Performance and Experience: Neuroscience and Functional Brain Imaging

Message from the Guest Editor

The past two decades have seen the growing importance of technologies deployed to provide measures of cognitive functioning as well as measures of stress, fatigue, or emotion in field settings. The measurement of neurophysiological changes in real time during complex, real world tasks can help us evaluate decision-making and reliably compare the workload burden of next-generation systems versus legacy systems in various domains. The goal of this Special Issue is to present a collection of studies focusing on neuroimaging and key cognitive areas of interest when attempting to explore the correlation between neurophysiological state, task load, and level of expertise. We are soliciting a number of studies in which wearable physiological and neuro-physiological sensors and neuroimaging devices, such as functional near-infrared spectroscopy (fNIRS), electroencephalogram (EEG), functional magnetic resonance imaging (fMRI), eye tracking, and galvanic skin response (GSR), are used to evaluate human performance and training in real operational settings.

Guest Editor

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Message from the Editor-in-Chief

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.

Editor-in-Chief

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