

Special Issue

Recent Advances in Brain–Computer Interfaces and Human–Computer Interaction

Message from the Guest Editor

Human–Computer Interaction (HCI) is a widely researched topic, in which extremely relevant contributions over the years have significantly advanced the state of the art. When designing an interface, it is important to consider that not all humans respond in the same way to the same stimuli. Acquiring knowledge on our response is, thus, one potential way to effectively improve interaction. Brain–Computer Interfaces (BCI) provides the means to interpret the human response to an interface through signal acquisition and analysis, as an alternative or complement to (i) interaction; (ii) traditional evaluation strategies such as questionnaires. Hence, not only has it shown its value in evaluating user interfaces but also in providing the means for further personalization. This Special Issue aims to advance the state of art on BCI and relevant applications in HCI. Research areas may include (but not limited to) the following: Brain–Computer Interfaces in Human–Computer Interaction, BCI signal acquisition, and interpretation, BCI implementations for HCI, BCI for interface evaluation. We look forward to receiving your contributions.

Guest Editor

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Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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