

Special Issue

New Advances of Brain-Computer and Human-Robot Interaction

Message from the Guest Editors

In recent years, remarkable strides have been made in the fields of brain-computer interaction (BCI) and human-robot interaction (HRI), ushering in an era of unprecedented connectivity between humans and technology. BCI has undergone a revolution, opening exciting possibilities for individuals with disabilities and expanding our understanding of the human brain. Brain-computer interfaces allow for direct communication between the human brain and external devices, offering new avenues to enable those with paralysis or neurodegenerative diseases to regain control over their environment. With applications in neurorehabilitation, communication, and entertainment, BCI has unveiled the potential to enhance human capabilities beyond traditional means. Neuroscientists and engineers are constantly refining technology, making it more accessible and user-friendly, which promises to shape the way we interact with the digital world. This Special Issue invites original research papers that report on recent advancements in BCI and HRI across a wide range of investigations and their practical applications.

Guest Editors

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Deadline for manuscript submissions

closed (15 November 2024)



Electronics

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CiteScore 6.1



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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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