Special Issue

Brain Computer Interfaces for Motor Control and Motor Learning

Message from the Guest Editor

Brain–computer interfaces (BCIs) represent a fascinating intersection of neuroscience and engineering. By directly decoding brain signals, BCIs offer the potential to revolutionize how we interact with technology and the world around us. There are several applications of BCIs in neuroprosthetics, communication, gaming and entertainment, neurorehabilitation, and augmented cognition. While there are interesting applications, there are also several challenges, including signal noise and variability, real-time processing, and last but not least, ethical considerations. The future of BCIs lies in improving BCI performance in the long term, using AI and ML methodologies in BCIs, expanding BCI applications, and developing wireless invasive and noninvasive BCIs that are reliable and safe to use.

Guest Editor

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