



The Challenges in Brain-Computer Interface (BCI) - toward Practical BCI

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Message from the Guest Editors

This Special Issue aims to share the current state-of-the-art trends and future directions in the BCI field, thereby encouraging the development of practical solutions. It will focus in the challenges in practical BCI, including but not limited to:

- Enhanced BCI Performance: Development of new devices, algorithms, and paradigms;
- Reliable BCI: Evaluation of test-retest reliability and session-to-session transfer based on multiday datasets;
- Ambulatory BCI: Development of portable, easy-to-use, and wireless EEG/NIRS recording systems and their related methodologies;
- Neuromodulation-based BCI: Use of electrical and magnetic brain stimulation to improve the performance and reliability of BCI systems;
- Practical BCI: Development of BCI applications, e.g., rehabilitation, entertainment, drowsiness detection, emotion decoding;
- Development of new artifact rejection algorithms for EOG, EMG, ECG, etc.;
- Releasing publicly available BCI datasets;
- Review/survey articles.

Welcome to contribute.





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Message from the Editor-in-Chief

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