Special Issue

Sensors for Brain-Computer Interface

Message from the Guest Editor

The study of brain–computer interfaces (BCIs) is a continuously growing research trend that originated in an attempt to permit subjects with severe neuromuscular disorders to communicate and interact with the world around them. This Special Issue will explore the advances, challenges, and future prospects associated with the following topics:

- Invasive and non-invasive acquisition and stimulation devices for brain–computer interfaces (e.g., new biosignal headsets, active dry electrodes, neurostimulation systems, and implantable technology);
- Online artifact rejection systems (e.g., design and implementation of real-time systems for artifact rejection in mobile BCI (MoBI) and near-sensor rejectors for physiological and non-physiological artifacts);
- Brain–computer interface applications (e.g., e-health, remote monitoring, ambient assisted living, emotional and cognitive assessment, emotion recognition, neuro-rehabilitation, biosecurity);
- Computing architecture improvements oriented to BCI application (e.g., memory optimization algorithms of electronic control units, new transmission protocols, real-time biosignal computing, and cloud-computing).

Guest Editor

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Deadline for manuscript submissions

closed (15 January 2022)

Sensors

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Impact Factor 3.4
CiteScore 7.3
Indexed in PubMed

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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