# Advances on EEG-Based Sensing and Imaging

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Deadline for manuscript submissions:
**closed (20 May 2023)**

## Message from the Guest Editors

Dear Colleagues,

Over the past decades, electroencephalography (EEG) has received an increasing interest from the neuroscience and neuroengineering community as a tool for a wide range of research, such as cognitive and behavioral neuroscience, psychology and psychiatry, biomarker discovery, and brain–computer interface. This Special Issue o f *Sensors* aims to communicate recent advances in sensing techniques and analytical methods applied in EEG. Authors are invited to submit cutting-edge research on topics including, but not limited to:

- Development of EEG sensors and wearable devices, especially for brain–computer interfaces;
- Multi-modal sensor fusion (e.g., EEG with fNIRS, fMRI, ECG, eye-tracking, etc.);
- Application of signal processing techniques in EEG denoising, especially for data collected during motion and transportation, or from populations with a known characteristic of high noise level (e.g., infants and children);
- Discovery of biomarkers in neurological and neurodevelopmental disorders;
- Adoption of machine learning and deep learning algorithms in understanding large-scale EEG data.

Special Issue

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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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