

Special Issue

Advances in Wearable Electroencephalography Sensor Technology

Message from the Guest Editors

Electroencephalography (EEG) has long been a cornerstone of neurophysiological monitoring and brain–computer interface (BCI) systems. With the rise of wearable technologies and the demand for continuous real-world monitoring, wearable EEG sensors are undergoing rapid innovation. Advances in materials science, electronics, signal processing, and AI are enabling the development of more compact, comfortable, and high-resolution EEG systems suitable for ambulatory use across healthcare, neuroscience, cognitive research, and consumer applications. We particularly welcome contributions exploring novel sensor designs, EEG integration with wireless platforms, energy-efficient signal acquisition, artifact reduction, real-time analysis, and diverse applications in clinical and non-clinical settings. We especially encourage submissions focused on the development of non-obtrusive, user-friendly, and ecologically valid EEG devices designed for non-expert populations, such as elderly individuals, to support widespread and inclusive adoption.

Guest Editors

Dr. Giulia Cisotto

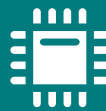
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