



Application of Electroencephalography (EEG) Signal Analysis in Disease Diagnosis

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Message from the Guest Editors

Over the years, the development of several brain imaging techniques has provided new tools for capturing information about the structure and functions of the brain, which have proven useful in different fields, such as neurosurgery, neurology, and cognitive science. In particular, electroencephalography (EEG) has become a powerful instrument successfully employed in both clinical applications and cognitive neuroscience since it is a non-invasive, easy-to-use, portable, and relatively low-cost tool. Thus, the processing and analyzing of EEG signals can be conveniently exploited to detect abnormalities in the case of a pathological state and improve early diagnosis of brain diseases.

The purpose of this Special Issue is to collect papers that provide original contributions to the field of EEG signal processing in disease diagnosis. Topics can include, but are not limited to, brain source modeling and reconstruction, complex brain network analysis, automatic systems for EEG artifact removal, and application of artificial intelligence to EEG signals.





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Message from the Editor-in-Chief

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