

Special Issue

Frontiers in EEG Signal Processing

Message from the Guest Editor

The purpose of this Special Issue is to present recent advances in EEG signal analysis and processing. We are focusing on original research work in this field, covering new theories, implementations, mathematical analysis and modeling, fusion with other diagnostic approaches, and applications that can potentially lead to significant advances in EEG data analytics. The potential topics of interest are related to recent advances in EEG signal analysis and processing, and they include but are not limited to:

- EEG signal processing and analysis;
- Brain-computer interface;
- Neural rehabilitation engineering;
- Machine learning;
- Deep learning;
- Generative adversarial networks for EEG;
- Data fusion techniques for brain data;
- Statistical pattern recognition;
- Brain state classification from EEG;
- Advanced artifact reduction in EEG;
- Wearable EEG;
- Virtual reality with EEG.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

Editor-in-Chief

Prof. Dr. Frank Werner

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