The 1ˢᵗ International Workshop on Machine Learning for EEG Signal Processing (MLESP 2018)

Madrid, Spain, December 3-6, 2018

In conjunction with IEEE International Conference on Bioinformatics and Biomedicine

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CALL FOR PAPERS

EEG signal processing involves the analysis and treatment of the electrical activity of the brain measured with Electroencephalography, or EEG, in order to provide useful information on which decisions can be made. The recent advances in signal processing and machine learning for EEG data processing have brought an impressive progress to solve several practical and challenging problems in many areas such as healthcare, biomedicine, biomedical engineering, BCI and biometrics. The aim of this workshop is to present and discuss the recent advances in machine learning for EEG signal analysis and processing. We are inviting original research work, as well as significant work-in-progress, covering novel theories, innovative methods, and meaningful applications that can potentially lead to significant advances in EEG data analytics. This workshop is an opportunity to bring together academic and industrial scientists to discuss the recent advances.

The topics of interest include but not limited to:
- EEG signal processing and analysis
- Time-frequency EEG signal analysis
- Signal processing for EEG Data
- EEG feature extraction and selection
- Machine learning for EEG signal processing
- EEG classification and clustering
- EEG abnormalities detection (e.g. Epileptic seizure, Alzheimer's disease, etc.)
- Machine learning in EEG Big Data
- Deep Learning for EEG Big Data
- Neural Rehabilitation Engineering
- Brain-Computer Interface
- Neurofeedback
- Biometrics with EEG data
- Related applications

Important Dates:
Sept. 30, 2018 (11:59 pm CST): Due date for full workshop papers submission
Oct. 27, 2018: Notification of paper acceptance to authors
Nov. 15, 2018: Camera-ready of accepted papers
Dec. 3-6, 2018: Workshops

Paper Submission:
Please submit a full-length paper (up to 8 page IEEE 2-column format) or short paper (3-6 pages) through the online submission system: You can download the format instruction here:
http://www.ieee.org/conferences_events/conferences/publishing/templates.html
Electronic submissions in PDF format are required.
Online Submission: https://wi-lab.com/cyberchair/2018/bibm18/

Publication: All accepted papers will be published in the BIBM proceedings and IEEE Xplore Digital Library.

Journal Special Issue: Selected high-quality papers will be invited for publication in a special issue in highly respected journal.

https://mlesp2018.sciencesconf.org/