Preliminary Call for Papers

The 8th IEEE International Winter Conference on Brain-Computer Interface

February 26~28, 2020, High1 Resort, Korea

Technically Sponsored by TC on Brain-Machine Interface Systems, IEEE SMC Society

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Different approaches to Brain-Computer Interfaces have been developed, each one with specific solutions that range from understanding and explaining cognitive functions over communicating with real and virtual environments by thought alone to real-time monitoring of cognitive states. The 8th International Conference on Brain-Computer Interface presents an overview, in-depth talks and discussions on the latest research at all levels of BCI research. Presentations will cover invasive recordings, semi-invasive ECoG, non-invasive EEG, non-invasive NIRS and fMRI measurements and potential combinations of the different methods. Additional focus will be devoted to advances in data analysis. The poster session will allow an informal open discussion space.

Topics of Interest

The conference topics include, but are not limited to,

- Novel BCI paradigms to elicit and collect data in different settings
- Methods for the identification of mental status for BCI
- Novel ideas for the combination of different mental strategies
- Innovative theories or methodologies for user- or environment-adaptive BCIs
- Advanced machine learning techniques for bio-signal processing and classification
- Novel ideas and methodologies for multi-modal BCI
- Novel methods or concepts for neurofeedback
- Ideas for the advancement of BCI through open source collaboration
- Applications of BCI including games, neuro-rehabilitation, environment control, virtual reality, etc.
- Demos of BCI systems

Submission Guidelines and Proceedings

Authors should prepare full papers with a maximum length of 6 pages (double-column, IEEE style, PDF) for review. Conference proceedings that meet IEEE quality review standards may be eligible for inclusion in the IEEE Xplore Digital Library. All the details can be found at **http://bci.korea.ac.kr**

Important Dates and Deadlines

Paper submission deadline: **November 1, 2019**
Acceptance notification: **December 15, 2019**
Camera-ready manuscripts deadline: **January 15, 2020**
Conference: **February 26~28, 2020**

Venue

High1 Resort(http://www.high1.com/)

Sponsors:

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