Call for Papers

The 5th International Conference on Brain-Computer Interface

January 9~11, 2017, High1 Resort, Korea

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

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 5th 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 4 pages (double-column, IEEE style, PDF) for review. Proceedings will be published by IEEE Computer Society in electronic format. They will be permanently available on the IEEExplore and IEEE CS Digital Library online repositories, and indexed in IEEE INSPEC, EI Compendex (Elsevier), and others. All the details can be found: **http://bci.korea.ac.kr**

Important Dates and Deadlines (EXTENDED)
Paper submission deadline: **November 1, 2016**
Acceptance notification: **December 1, 2016**
Camera-ready manuscripts deadline: **December 15, 2016**
Conference: **January 9~11, 2017**

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

Sponsors:
IEEE Systems, Man, and Cybernetics Society
IEEE Brain Initiative
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The Korean Brain Education Society
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