



Call for Papers

The 3rd IEEE International Conference on Brain-Computer Interface



January 12~14, 2015, High1 Resort, Korea

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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 3rd IEEE International Winter 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.

Invited talks will be given by renowned scholars in the field, including:

Andrzej Cichocki, Riken, Japan
Cuntai Guan, A* Singapore, Singapore
John-Dylan Haynes, Bernstein Center for Computational Neuroscience, Germany
Shin Ishii, Kyoto University, Japan
Andrea Kübler, Universität Würzburg, Germany
Yuanqing Li, South China University of Technology, China
Fabien Lotte, Inria, France
Klaus-Robert Müller, TU Berlin, Germany

Topics of Interest

The workshop welcomes original contributions in the area of Brain-Computer Interfaces for brain engineering using relevant modalities (*e.g.* functional MRI, EEG, ECoG, MEG, NIRS) including the following areas:

Brain Activity Measurement Modality

EEG, ECoG, MEG,
NIRS, fMRI

BCI Control

Mental Strategy (P300, SSVEP, ERD/ERS),
Feature Extraction, Classification, Neurofeedback

Applications

Environment Control, Navigation, Games, Virtual Reality,
Clinical Applications (Neurorehabilitation, Neuroprostheses)

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. The workshop website has all the details: <http://bci.korea.ac.kr>

Important Dates and Deadlines

Paper submission deadline: **October 15, 2014**
Acceptance notification: **November 15, 2014**
Camera-ready manuscripts deadline: **December 15, 2014**
Workshop: **January 12~14, 2015**

Venue

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

Sponsors:

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