

# The Annual BCI Research Award 2012

FOR THE WORLD'S MOST INNOVATIVE BRAIN-COMPUTER INTERFACE PROJECT

this year awarded by the

**Center for Innovation in Neuroscience and Technology  
(Washington University School of Medicine, St. Louis)**

at the

**SfN annual meeting, NEUROSCIENCE 2012**

**Oct. 13 - 17, 2012 in New Orleans, Louisiana, USA**

the jury

**Eric Leuthardt (chairman), Moritz Grosse-Wentrup,  
Leigh Hochberg, Gert Pfurtscheller, Gerwin Schalk  
and Junichi Ushiba**

submission deadline

**July 15, 2012**

nominee notification

**August 15, 2012**

send your submission to

**[bci.award2012@gtec.at](mailto:bci.award2012@gtec.at)**

more details about the  
BCI Research Award at

**[www.bci-award.com](http://www.bci-award.com)**

**USD 3,000.-**  
cash for the winner

sponsored by



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## How it works

g.tec donates this prize for outstanding and innovative research done in the field of Brain-Computer Interface. Each year, a renowned research laboratory is asked to judge the submitted projects and to award the prize. The jury consists of world-leading BCI experts recruited by the awarding laboratory.

This competition is open to any BCI researcher or group worldwide. There is no limitation or special consideration for the type of hardware and software used in the submitted project.

Write a clear description in English that is no longer than two pages. The document has to include your full name(s), the first author's affiliation, project title, brief description and current status of the work, images, figures and tables (if needed). Send the document as a pdf file by e-mail before July 15, 2012 to: [bci.award2012@gtec.at](mailto:bci.award2012@gtec.at)

The 10 top-ranked nominees will be informed about two months before the prize will be awarded. Nominees should attend the event or send a delegate to receive their nomination or the award: USD 3,000.- cash.

## How projects are scored

The jury will score the submitted projects on the basis of a list of criteria. Your project should get high scores in one or more of the criteria to get a high ranking. Thus you may consider the following points when writing your submission:

- does the project include a novel application of the BCI?
- is there any new methodological approach used compared to earlier projects?
- is there any new benefit for potential users of a BCI?
- is there any improvement in terms of speed of the system (e.g. bit/min)?
- is there any improvement in terms of accuracy of the system?
- does the project include any results obtained from real patients or other potential users?
- does the approach work online/in real-time?
- is there any improvement in terms of usability?
- does the project include any novel hardware or software developments?

## Retrospect 2011

In 2011, this prize was awarded by the Laboratory of Brain-Computer Interfaces (Graz University of Technology) at the 5th International Brain-Computer Interface Workshop in Graz, Austria, Sept. 22-24, 2011. Chairman of the jury was Prof. Gert Pfurtscheller, PhD.

Out of 64 high-quality submissions from all over the world the jury nominated the 10 top-ranked groups and finally selected the winner:

***Moritz Grosse-Wentrup, Bernhard Schölkopf (Max Planck Institute for Intelligent Systems, Tübingen, Germany)***

**"What are the Neuro-Physiological Causes of Performance Variations in Brain-Computer Interfacing?"**

Special thanks to all presenters, to the meeting organizers and to the jury: *Gert Pfurtscheller, Robert Leeb, Theresa Vaughan, Michael Tangermann, Cuntai Guan and Jane Huggins*

The list of nominees, some impressions of the conference and the awards ceremony can be found at: [www.bci-award.com](http://www.bci-award.com)