



# THE ANNUAL **BCI AWARD** 2019

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

Awarded by

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FOUNDATION



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

## Submit Your Project Now!

Submission deadline: June 1, 2019

1<sup>st</sup> place: USD 3,000

2<sup>nd</sup> place: USD 2,000

3<sup>rd</sup> place: USD 1,000\*

## The Jury

Michael Tangermann (Chair 2019), Albert-Ludwigs-University Freiburg, Germany  
Abidemi Bolu Ajiboye (Winner 2018), Case Western Reserve University, USA  
Rossella Spataro, University of Palermo, Italy  
Michael Smith, University of California, Berkeley, USA  
Keiichi Kitajo, RIKEN Center for Brain Science, Japan  
Selina Wriessnegger, Graz University of Technology, Austria

## The Ceremony

Award Ceremony takes place on September 17, 2019 at the  
8<sup>th</sup> Graz BCI Conference 2019 at Graz University of Technology, Austria  
Stremayrgasse 16 | 8020 Graz | Austria

## The 12 top-ranked nominees are invited to a poster presentation at the 8<sup>th</sup> Graz BCI Conference 2019.

The BCI Award Foundation organizes the annual BCI Award and guarantees scientific objectivity by assigning an independent and international jury assembled with world-leading BCI experts who work with invasive and non-invasive BCI in both research and clinical environments to judge the submitted projects. This competition is open to any BCI researcher or group worldwide.\*\*

\* The 3<sup>rd</sup> place is sponsored by the BCI Society.

\*\* Submissions from BCI groups/labs affiliated to the Jury 2019 are excluded from this year's competition.

## 5 Steps to submit your BCI research

- 1 Write a clear description in English language that does not exceed 2 pages.
- 2 Include your full name(s), contact information, project title, brief description and current status of the work, images, figures and tables (if needed).
- 3 Make a short film to explain the subject matter of your BCI project submission. It should be one minute long at the most and has to be spoken or subtitled in English.
- 4 Send the document as a pdf file and the short film to [submit@bci-award.com](mailto:submit@bci-award.com) before the indicated submission deadline.
- 5 Attend the 8<sup>th</sup> Graz BCI Conference 2019 or send a delegate to receive the nomination and maybe an award!

## Scoring criteria

The jury will score the submitted projects on the basis of a list of criteria. Your project should get high scores in several of the criteria to get a high ranking. Thus you may consider the following questions 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?

## BCI State-of-the-Art book series by Springer

The 12 nominated projects will be published in the “BCI State-Of-The-Art” book series by Springer.

## Review: 1<sup>st</sup> place winner of the BCI Award 2018

The BCI Award 2018 Ceremony took place during the 7<sup>th</sup> International BCI Meeting 2018 on May 23<sup>th</sup>, 2018 in Asilomar, USA.

“Restoring Functional Reach-to-Grasp in a Person with Chronic Tetraplegia using Implanted Functional Electrical Stimulation and Intracortical Brain-Computer Interfaces”

Abidemi Bolu Ajiboye<sup>1,2,6</sup>, Francis R. Willett<sup>1,2,6</sup>, Daniel R. Young<sup>1,2,6</sup>, William D. Memberg<sup>1,2,6</sup>, Brian A. Murphy<sup>1,2,6</sup>, Jonathan P. Miller<sup>2,4,6</sup>, Benjamin L. Walter<sup>2,3,6</sup>, Jennifer A. Sweet<sup>2,4,6</sup>, Harry A. Hoyer<sup>5,6</sup>, Michael W. Keith<sup>5,6</sup>, Paul Hunter Peckham<sup>1,2,6</sup>, John D. Simeral<sup>7,8,9,10</sup>, John P. Donoghue<sup>8,9,12</sup>, Leigh R. Hochberg<sup>7,8,9,10,11</sup>, Robert F. Kirsch<sup>1,2,4,6</sup>

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