

Call for Contributions

Inform the Chair: with the Title of your Contribution

Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=COGNITIVE+2017+Special>

Please select Track Preference as **BRAINCOMAUG**

Special track

BRAINCOMAUG: Brain Computer Interface for Improving Cognition

Chair and coordinator: Dr. Jayfus T. Doswell, The Juxtopia Group, JUICE-Lab, USA,

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along with

COGNITIVE 2017, February 19 - 23, 2017 - Athens, Greece

The Ninth International Conference on Advanced Cognitive Technologies and Applications

<http://www.aria.org/conferences2017/COGNITIVE17.html>

Brain computer interfaces (BCI) (i.e., also known as Brain Machine Interfaces) have the potential to improve human cognition ranging from implantable neuro-prosthesis to repair parts of the injured brain's hippocampus (i.e., to convert short-term memories into long-term memories); facilitate non-verbal communication among teams of peers; and restore active memories to accelerating human learning and skill acquisition with non-invasive neural-engineering and computational brain-to-human neuron mapping. Although advances have been made in BCI for improving human cognition, this subset of BCI is very new and requires empirical multidisciplinary research to solve challenges including, but not limited to usability, training, information transfer rate, non-linearity, non-stationarity/noise, and high dimensionality.

Important Dates

- Inform the Chair: As soon as authors decided to submit and secured the financial support
- Submission: January 15
- Notification with comments: January 25
- Registration: February 5
- Camera-ready: February 8

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.aria.org]
- Presentations: slide only [slide-deck posted on www.aria.org]
- Demos: two pages [posted on www.aria.org]

Paper Format

- See: <http://www.aria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.aria.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.ariajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>

- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.

- Registration fees are available at <http://www.iaia.org/registration.html>

Contact

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