



Workshop



Physiological  
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Research Center  
Óbuda University



## Brain-Computer Interface Workshop

**Time & Date:** Thursday May 9<sup>th</sup>, 9:00-14:00

**Location:** Óbuda Campus, Bécsi street 96/B, room F.09

### About the workshop

Research groups all over the world have been successfully working on a direct connection between the human brain and a computer, a so-called Brain-Computer Interface (BCI). During this workshop, we will demonstrate major concepts in BCI systems, including types of sensors, signal processing, and applications. New trends like embodiment, coma assessment and communication, stroke rehabilitation, and invasive ECoG based systems will also be explained. We will invite people from the audience to participate in the live demonstrations in which they can try electrode caps and use BCIs.

### Speakers

Francisco Fernandes, g.tec medical engineering GmbH,

Dr. Gergely Márton, MTA TTK, Institute of Cognitive Neuroscience, Comparative Psychophysiology

Dr. Tibor Nánási, MTA TTK, Institute of Cognitive Neuroscience, Comparative Psychophysiology

**Francisco Fernandes** is the International Sales Officer of g.tec medical engineering GmbH responsible for the Hungarian market.

**Dr. Gergely Márton** and **Dr. Tibor Nánási** are Research Fellows at the Comparative Psychophysiology group of Institute of Cognitive Neuroscience – an institute of the Hungarian Academy of Sciences.



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9:45 – 10:00	Introduction
10:00 – 11:00	Non-invasive/invasive brain-computer interface systems, including current and future applications – Francisco Fernandes
11:00 – 12:00	EEG lecture: Will the next generation of sensors and machine learning give rise to truly useful BCIs? - <i>Dr. Gergely Márton and Dr. Tibor Nánási</i>
12:00 – 12:45	Lunch break
12:45 – 14:00	Hands-on session, live BCI-experiments

## Registration

*The BCI Workshop participation is free of charge; however, it is subject to registration.*

*Registration form is available via:*

<https://forms.gle/3CxLTpXF1x8p1nTP8>



For more information, please contact: Francisco Fernandes [fernandes@gtec.at](mailto:fernandes@gtec.at) and György Eigner [eigner.gyorgy@nik.uni-obuda.hu](mailto:eigner.gyorgy@nik.uni-obuda.hu)