



Welcome to the OpenViBE Tutorial!

July 28th, 2022, New York City

@Neuroergonomics 2022 & NYC Neuromodulation
conference 2022

Fabien Lotte, Laurent Bougrain, Thomas Prampart

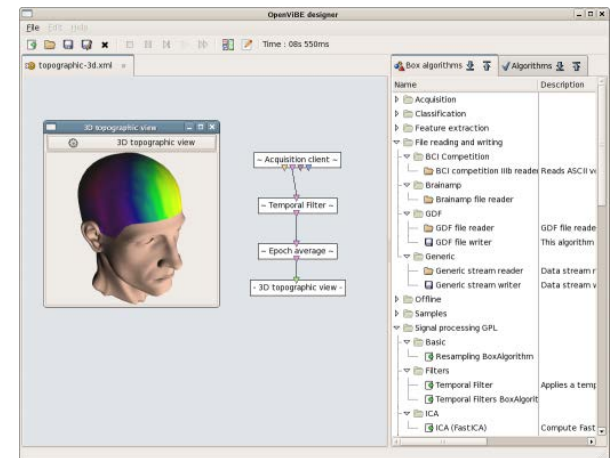
The OpenViBE software



- For the design, test and use of real-time Brain-Computer Interfaces/brain signal processing and visualizations
- Free and open-source (AGPL license)
- Can be use to design a BCI without programming

<http://openvibe.inria.fr>

Today: Hands-on Tutorial on
how to use OpenViBE!



Today's lecturers



Laurent Bougrain
Associate Professor
Univ. Lorraine, Nancy, France
Leader of research team
NeuroRhythm



Thomas Prampart
Research Engineer
OpenViBE lead engineer
Inria, Rennes, France



Fabien Lotte
Research Director at Inria
OpenViBE scientific co-leader
Inria, Bordeaux, France

Outline of this Tutorial

1:05pm-1:15pm

- *A brief introduction to OpenViBE – Laurent Bougrain*

1:15pm-2:30pm

- *An introduction to OpenViBE use: Basic EEG signal acquisition, processing and visualization, Fabien Lotte*

2:30pm-2:45pm

- Break

2:45pm-4pm

- *Designing experiment protocols and using machine learning in OpenViBE - Laurent Bougrain*

4pm-4:55pm

- *Quick prototyping in OpenViBE with Python - Thomas Prampart*

4:55pm-5pm

- *Conclusion – Thomas Prampart*

About this tutorial

This is a hands-on Tutorial!

Please install OpenViBE 3.3.1 now to benefit the most from the tutorial:

<http://openvibe.inria.fr/download>

Download EEG data to process them:

<http://openvibe.inria.fr/openvibe-tutorial-nec22/>

**Ask as many questions as you need/want,
this aims at being interactive!**