OpenViBE

OpenViBE is a software platform designed to create, test and use Brain-Computer Interfaces, enabling users to send commands to computers only by means of brain activity. OpenViBE can be used in many real-time neurosciences application.

Technical Breakthrough: OpenViBE enables real-time processing of brain data (EGG, MEG) : acquisition filtering, pattern extraction, classification, visualization. OpenViBE also includes an accessible graphical interface for users that are not familiar with programming.

Potential application fields: Health, Assisted living, Neurosciences, Robotics, Multimedia, Gaming,…

Key Words: Brain-Computer Interface (BCI), Neurofeedback, EEG, Signal processing, Virtual Reality (VR), 3D interaction

Coding and Operating System: C++ available under Windows and Linux.

Licensing: Open-source software under LGPL license

Academic Partners: INSERM, CEA-LIST, GIPSA-LAB

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