Through your eyes: Reconstruct visual stimuli from EEG signals – a Brainhack Geneva project

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Imagine wanting to fly an airplane, but finding current-gen VR lacking in control. Imagine holding a pen, but just not being skilled enough to draw the fine picture in your mind. This is a project about materializing your imagination.

Brain-computer interfaces are gradually bridging the gap between human and computer, but to do so they need to understand brain signals.

In this hackathon, we explored the reconstruction of what a person sees through DNN techniques, with EEG signals as input, working on state-of-the-art research. Come to hear what we tried!

Presenter:  SAMARAS-TSAKIRIS, Konstantinos (CERN)