



## VIRTUAL BRAIN-CONTROLLED DRONE (E-SPORT)



### Synopsis

A drone race simulation that can be controlled using brain-computer interface (BCI) devices. Users are capable of flying the virtual drone using their brain-waves.

To control the simulated drone, the person needs to imagine a movement. Imagining a movement generates the same electrical signals as physically acting. BCI devices are used to capture such signals and send to the simulated drone for control. During training the user is asked to imagine a specific movement that will be associated with a drone command, later he will be able to control the drone by re-imagining that same movement.

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