



EEG – Correlates of Aiming

Introduction:

BCIs are driven by Electroencephalogram (EEG) signals recorded from the scalp by an array of electrodes mounted in a cap. EEG analysis and BCI have many promising applications for remote control, enhancing human capabilities, and rehabilitation. The success of BCIs in interpreting human intentions depends on efficient preprocessing and machine learning techniques for both feature detection and classification

Prerequisites:

- MAMAT - Introduction to software systems design
- MAVLAS - Digital signal processing

Project Description:

The aim of this project is to develop a recognition and characterization system of Event Related Potentials (ERP) signals representing different stages in human targeting process - Approaching target, Cursor on target and Selection.

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