



*Brain-Computer Interfaces (BCIs) for Rehabilitation
Laboratory (BCI-Rehab Lab) and
Sensory Motor Integration Lab. (SMILe)
Faculty of Mechanical Engineering
Technion, Israel*



Project: Implementation of EEG electrodes positions measurement system.

Background:

- **Electroencephalography (EEG)** - is the recording of electrical activity along the scalp produced by the firing of neurons within the brain.
- **EEG** recording done using special cap with embedded electrodes.
- Precise location of electrodes positions is highly important.

Details: During this project students will implement EEG electrodes positions measurement system. This system implementation will involve: (1) Design of hardware components. (2) Image processing. (3) Implementation of user friendly software.

Requirements: Matlab, C+, Image processing.

Length: 2 semesters.

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