Abstract

This paper presents a virtual electronic system for measuring the EEG signals. The system consists of electrodes, an instrumentation amplifier, filters and a DAQ card with LabVIEW application on a personal computer. The system is developed for displaying, measuring, analyzing and recording the EEG signals. The system is practically implemented with success where the experimental results are verified with simulation results.

References

2. R. Dilmaghani et al, "Design and Implementation of a Wireless Multi-Channel EEG Recording", in IEEE, IET International Symposium on Communication Systems, Networks and
Development of a portable DAQ-based Electroencephalogram System


Index Terms

Computer Science

Power Electronics
Keywords

Electroencephalogram (EEG), Data Acquisition (DAQ), Laboratory Virtual Instruments Engineering Workbench (LabVIEW).