Abstract

The Brain Computer Interface (BCI) systems enable unblessed people to operate devices and applications through their mental activities. It is believed that the BCI technology should be a blessing for the unblessed persons who may be suffering from severe neuromuscular disorders. So in this paper, we present a review on the progress of research efforts and then we analyze the challenges in BCI research and development for unblessed people. Here, a general Electro-Encephalogram (EEG) based BCI system is discussed which can assist the paralyzed or physically or mentally challenged people in performing their various routine tasks or applications.

References

Technology Development for Unblessed People using BCI: A Survey

- ZHANG Zhen, FAN Hong-liang, “Prosthetic Controlled System Based on Signal Pattern Recognition of Electroencephalogram”, International Seminar on Future BioMedical Information

Index Terms

Computer Science  Artificial Intelligence

Keywords

Interface  Brain-Computer Interface  Electro-encephalogram  Unblessed