عنوان مقاله:
An introduction about Brain-Computer Interfaces

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خلاصه مقاله:

This paper reviews the brain and computer interfaces and their differentsections. The brain computer interfaces are designed to achieve acommunication way between the brain and an external device such thatthe user can control the external device using the brain only, without thehelp of any of the body organs. Designing these interfaces requiresrecognizing the brain and the neurophysiological phenomenon thatoccur during brain activities. Also, robust tools are required to acquirethe brain signal and process it. The purpose of processing the signalsacquired from the brain is to achieve the instructions that the user issuesto the external devices. The brain and computer interfaces have wideapplications, where the most important one is to help the patients whohave no communication way with the outside world.

کلمات کلیدی:
Brain Computer Interface, signal process, Brain signals

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