



Time Estimation of Eeg and ECG Signals: : Classification of Fear, Joy, Anger and Surprise by Smart Methods (Paperback)

By Pardis Nayyeri

Createspace Independent Publishing Platform, United States, 2017. Paperback. Condition: New. Language: Persian-Farsi . Brand New Book ***** Print on Demand *****. Emotions are associated with every activity in our everyday life, playing a major part in non-verbal communication. Feelings may also affect the area of the brain that regulates thinking, reasoning, and decision. Deep emotions have specific physical reactions for instance raising the heart rate, face flushing, increasing the rate of the inhaling and exhaling, and increasing hypertension that are moving effects. There are numerous distressing elements that affect human s attention. In the past studies, researchers have proven that people in the negative and oftentimes positive psychological states may be diverted. Negative emotions are the reactions of the individual as a result of stressing situation. While positive emotions are the reactions of the individual as a result of happy and calm situations. Therefore, being able to quantify emotions is vital to the understanding of individual conduct. To develop a smart man-machine interface system that understands non-verbal details, for instance desire, feelings and emotions of individual, this research work aims to deliver an emotion detection system by using pattern recognition and classification methods. Electroencephalography (EEG) calculate each of the amplitude...



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