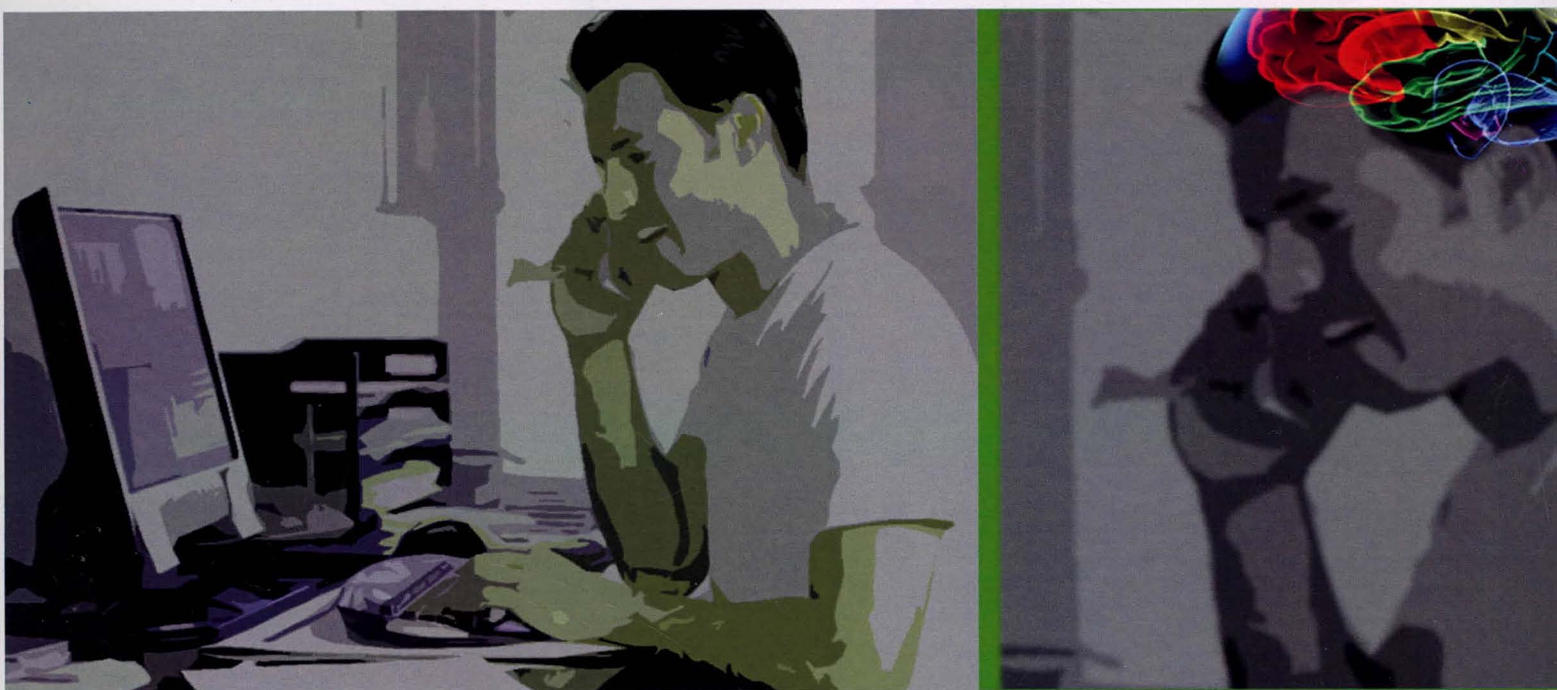


UNDERSTANDING BRAIN DEVELOPMENTAL DISORDER BASED ON EEG IN SOFT COMPUTING APPROACH

Abdul Wahab Abdul Rahman



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Editors

Abdul Wahab Abdul Rahman



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EMOTION RECOGNITION BASED ON EEG:

BRAIN WAVES

ABDUL WAHAB ABDUL RAHMAN,

NORHASLINDA KAMARUDDIN AND

PALANIAPPAN, L.K.

2.0 Abstract

Emotion recognition using electroencephalographic signals is proposed in this paper. Analysis of the signals was analyzed in both time and frequency domain. The features of the signals were evaluated using neural network (NN) and fuzzy neural network (FNN) as classifier. There are three emotions included in this study which are angry, happy and sad while relax was used as an emotionless state. In the finding, both time and frequency domain approaches showed some potential for emotion recognition using EEG brain waves.