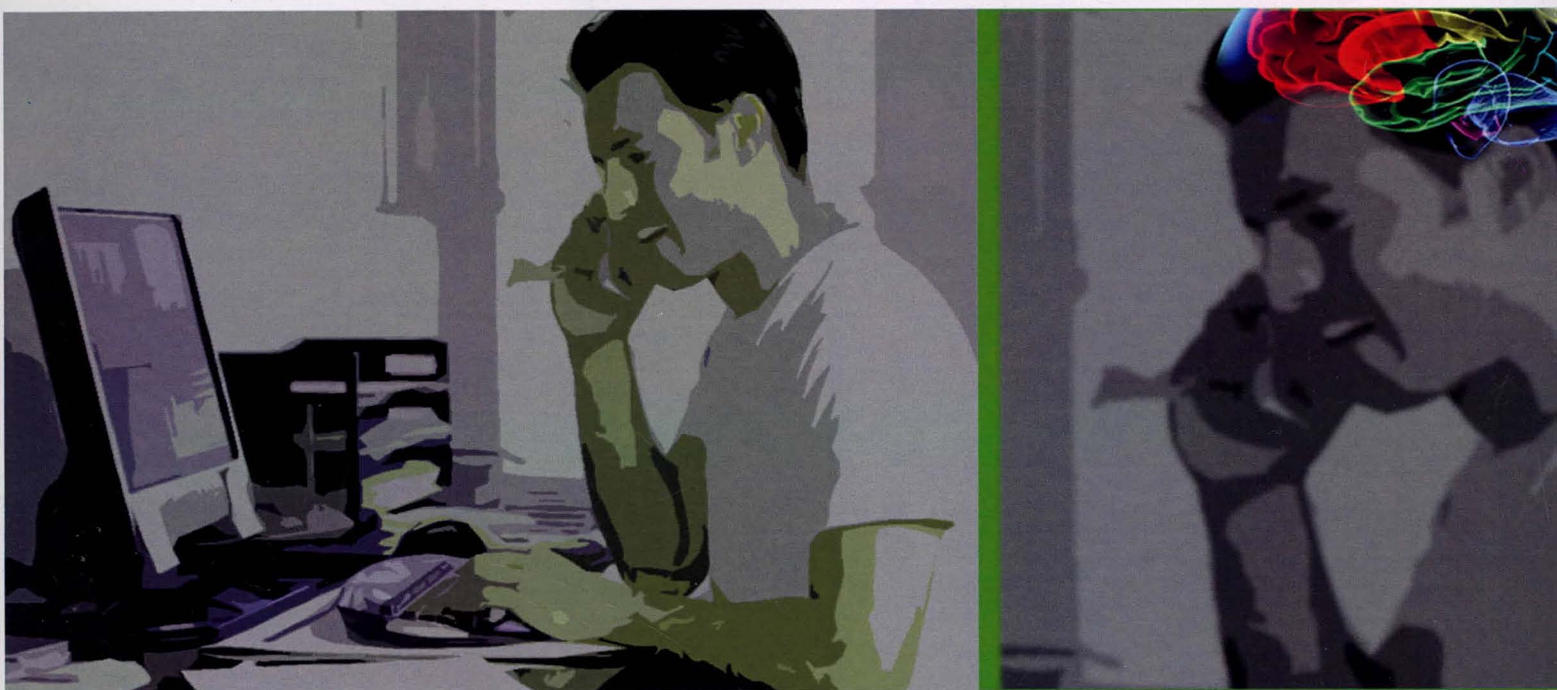


UNDERSTANDING BRAIN DEVELOPMENTAL DISORDER BASED ON EEG IN SOFT COMPUTING APPROACH

Abdul Wahab Abdul Rahman



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INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

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IN SOFT COMPUTING
APPROACH**

Editors

Abdul Wahab Abdul Rahman



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**UNDERSTANDING HUMAN STRESS AND
DEPRESSION WITH RELATION TO CULTURAL
AND LANGUAGE DIFFERENCES**

ABDUL WAHAB ABDUL RAHMAN, RAHNUMA

K.S., HARIYATI AND BJÖRN CRÜTS

13.0 Abstract

This paper is focusing on understanding human emotion with different background and culture after completing their examinations. As noted, human brain is the one that controls emotion and human action. Analyzing human brain activities based on emotions can help us to understand better about depression and stress. Electroencephalogram (EEG) will be used as a device to capture brain signals and it will be analyzed through proposing an affective computational model. Data were collected from 8 healthy subjects from different states in Malaysia. Then, subject was emotionally induced by selected stimuli using the International Affective Pictures and System (IAPS). Features were extracted using Kernel density estimation (KDE) and finally classified using Multilayer perceptron