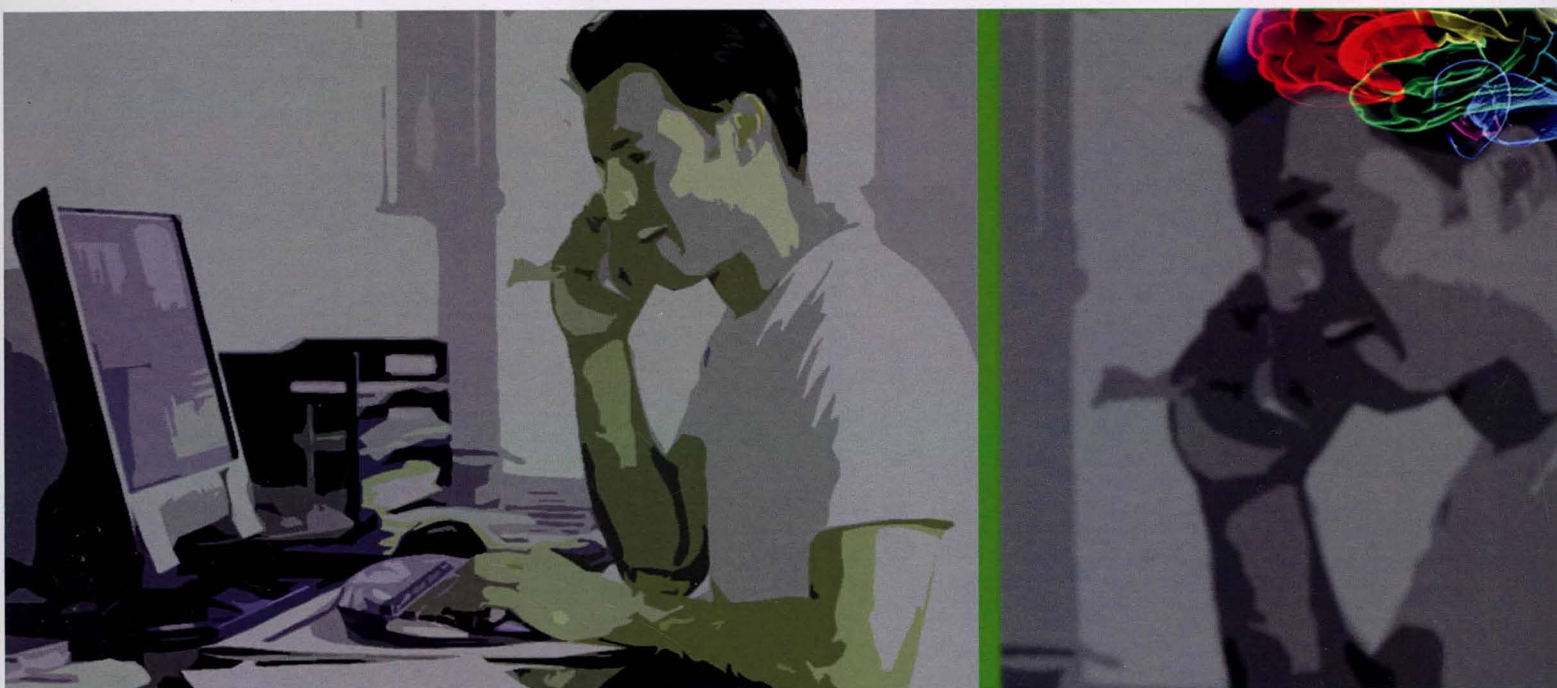


UNDERSTANDING BRAIN DEVELOPMENTAL DISORDER BASED ON EEG IN SOFT COMPUTING APPROACH

Abdul Wahab Abdul Rahman



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INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

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DISORDER BASED ON EEG
IN SOFT COMPUTING
APPROACH**

Editors

Abdul Wahab Abdul Rahman



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**UNDERSTANDING LONG TERM MEMORY
EFFECT TOWARDS DRIVER'S PRE-EMOTION BY
USING EEG
ABDUL WAHAB ABDUL RAHMAN, NORZALIZA
MD NOR, HARIYATI AND NORHASLINDA
KAMARUDDIN**

19.0 Abstract

Emotions and expressions play vital roles in social interactions. Although emotions are naturally known to everybody, it is hard to define. In fact, emotions contain thoughts and internal feelings, as well as other internal processes which may be conscious or subconscious actions which may be related with the long term memory (LTM). However, the study on the relationship between long term memory and pre-emotion by using EEG is scarce. Thus, in this study, the understanding of long-term memory (LTM) effect towards pre-emotion will be analyzed through affective space model, in which emotions are represented in valence (V) and arousal (A) dimensions as the essential basis function. According to preliminary experiment,