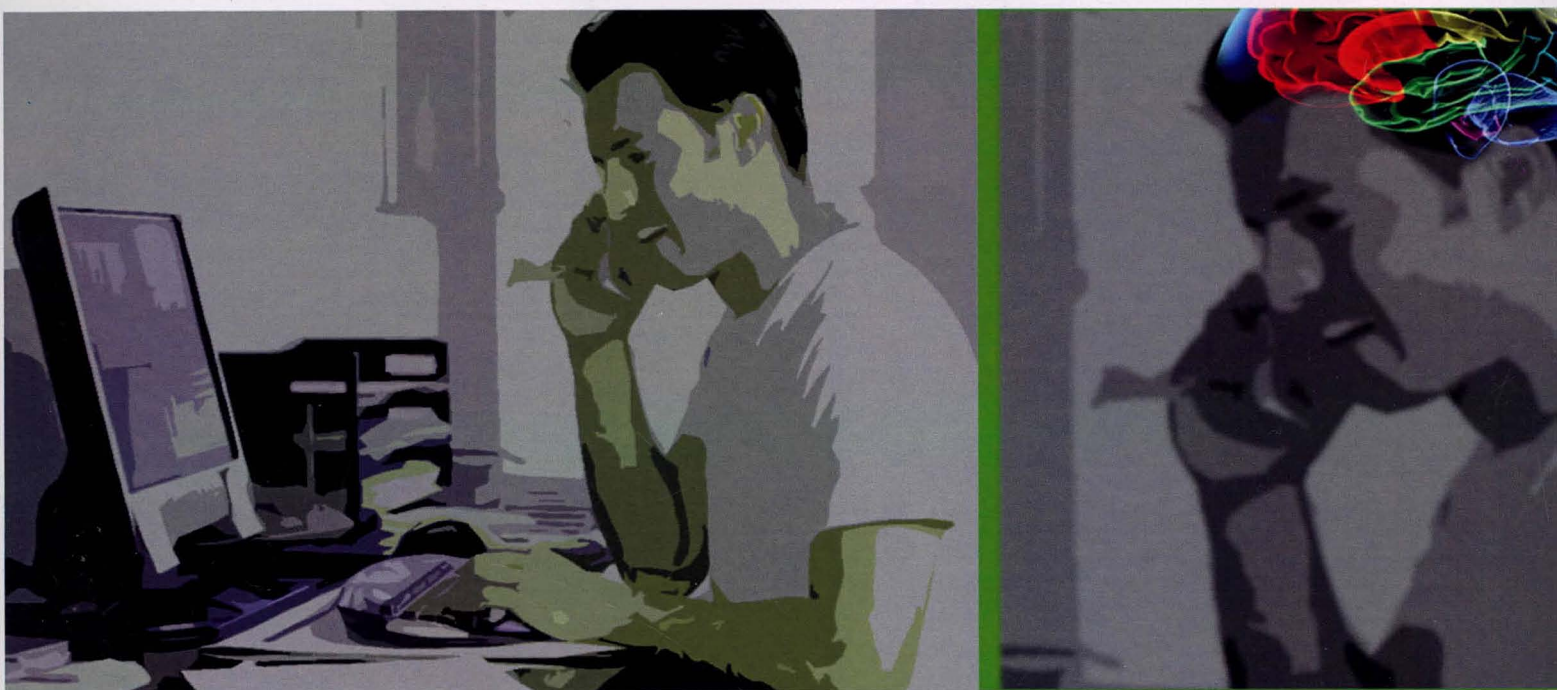


# UNDERSTANDING BRAIN DEVELOPMENTAL DISORDER BASED ON EEG IN SOFT COMPUTING APPROACH

**Abdul Wahab Abdul Rahman**



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INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA

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**Editors**

Abdul Wahab Abdul Rahman



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**CRITICAL FEATURES AMONG AUTISTIC  
CHILDREN BASED ON EEG FOR MOTOR  
IMITATION: DYNAMIC ANALYSIS APPROACH  
ABDUL WAHAB ABDUL RAHMAN AND NAJWANI  
RAZALI**

**11.0 Abstract**

Impairment in motor imitation in addition to social disability in autism had been widely discussed among researchers. Motor imitation obviously been control in human brain, hence the impairment of it can be seen from the understanding of the brain signal distributions. Thus, looking into details about motor imitation signals were proposed in this paper. The signals will be analyzed using specific methods. As a result, end findings revealed that control and autistic children both perform the motor imitation well but the brain activation for both group are different. Autistic children demonstrate a very high intensity brain activation indicating they are struggling to do the action.