

UNIVERSIDAD DE LAS AMÉRICAS PUEBLA

ENGINEERING SCHOOL

DEPARTMENT OF COMPUTING, ELECTRONICS AND  
MECHATRONICS



EPILEPTIC SEIZURES CLASSIFICATION IN EEG  
SIGNALS USING WAVELET-BASED NEURAL  
NETWORKS

BY

EVER JUÁREZ GUERRA

A DISSERTATION PRESENTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF  
DOCTOR IN COMPUTER SCIENCE

JUNE 17, 2016.

**Universidad de las Américas Puebla**  
**Engineering School**  
**Department of Computing, Electronics and Mechatronics**

The members of the Thesis Committee recommend that the Thesis “Epileptic Seizures Classification in EEG Signals using Wavelet-Based Neural Networks”, conducted by the student Ever Juárez Guerra, with identification number 143262, is accepted for defense as partial requirement for the degree of Doctor in Computer Science .

Thesis Committee

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