UNIVERSITY OF SOUTH FLORIDA

Defense of a Doctoral Dissertation

Context-based Human Activity Recognition Using Multimodal Wearable Sensors

by

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For the Ph.D. degree in Computer Science & Engineering

Human Activity Recognition (HAR) using wearable technologies has gained much popularity in past decade. Part of its success is due to evolution of machine learning algorithms and their applications on sensor data. However, each HAR problem is unique in its context, hence one solution cannot fit to every problem. In this dissertation, we design context driven solutions for different HAR problems.

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