

UNIVERSITY OF SOUTH FLORIDA

Defense of a Doctoral Dissertation

Gait Authentication Using Inertial Sensors for Wearable devices

by

Ravichandran Subramanian

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

Gait based user recognition using built-in inertial sensors can be used for security and customization in wearable devices. One of the hurdles in this process is the variable orientation of the device relative to user. We present two methods to achieve orientation independence, describe an inertial sensor dataset collected from over 100 subjects and compare performance of five orientation invariance methods on two large datasets.

Friday, April 20, 2018

9:30 a.m.

ENB 337

THE PUBLIC IS INVITED

Examining Committee

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Sudeep Sarkar, Ph.D., Major Professor

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