## UNIVERSITY OF SOUTH FLORIDA

## Defense of a Doctoral Dissertation

Automated Wound Segmentation and Dimension Measurement Using Robert

by

Chih-Yun Pai

For the Ph.Ddegree in Computer Science attrograms are significantly and significant signif

Accurate pressure ulcer (PrU) measurement is critical in assessing the effectiveness of PrU treatment. The traditional interpasson is manual, subjective, and requires frequent contact with the wound. In the wound increases risk of contamination or infection. The purpose of this assessed evelop an automatic Pressure Ulcer Monitorig System (PrUMS) using a depth camera to provide automated on the purpose of this assessed evelop an automatic Pressure Ulcer Monitorig System (PrUMS) using a depth camera to provide automated on the purpose of the purpose of the purpose of the purpose of this assessed evelop an automatic Pressure Ulcer Monitorig System (PrUMS) using a depth camera to provide automated on the purpose of the p