UNIVERSITY OF SOUTH FLORIDA

Defense of Master's Thesis

Trilateration-Based Localization in Known Environments with O Detection

by Valeria Salas

For the MSO Regree in Computer Engineering

Many strategies for localization have been proposed, the majority of which rely on distance and estimates. The proposed approach is a method that domseid single in localization techniques and the principle of trilateration to perform localization in a known indoor environ using a camera, the proposed system can detect custom objects using object detection in environment and calculate an approximation of the camera's position. To recognize the local input datasuch as the size of the environment and the coordinates and sizes of the object environment were given as input to the system together with the distance to such objects calculated by a previously calibrated distance glatitlotion al

Friday, Octoberⁿ2/2021 11:00AM Online (Microsoft Teams)

Please email for more information valeriasalas@usf.edu

THE PUBLIC IS INVITED

Examining Committee

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