# UNIVERSITY OF SOUTH FLORIDA

## *Defense of a Master's Thesis*

*AffectiveTDA: Using Topological Data Analysis to Improve Analysis and Explainability in Affective Computing*
*by*
*Hamza Elhamdadi*

*For the MSCS degree in Computer Science*

*We present an approach utilizing Topological Data Analysis to study the structure of face poses used in affective computing, i.e., the process of recognizing human emotion, towards robust and explainable emotion recognition by machines.*

*Tuesday, June 8, 2021*
*11:00 AM*
*Blackboard Collaborate Ultra*
*Please email for more information*
*hme1@usf.edu*

## THE PUBLIC IS INVITED
### Examining Committee

Paul Rosen, Ph.D., Major Professor
Shaun Canavan, Ph.D.
Lawrence Hall, Ph.D.

*Robert Bishop, Ph.D.*
*Dean, College of Engineering*

*Dwayne Smith, Ph.D.*
*Dean, Office of Graduate Studies*

**Disability Accommodations:**
*If you require a reasonable accommodation to participate, please contact the*
*Office of Diversity & Equal Opportunity at 813-974-4373 at least five (5) working days prior to the event.*