

UNIVERSITY OF SOUTH FLORIDA

Defense of a Master's Thesis

Recognizing Emotion in the Wild using Multimodal Data

by

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For the MSCS degree in Computer Science

In this work, I will present our approach of using multi-modal data for recognizing human emotion and behavior in the wild. The study is divided into four tasks: group emotion recognition, driver gaze prediction, student engagement prediction, and emotion recognition using physiological signals. We explore multiple approaches including classical machine learning tools such as random forests, state of the art deep neural networks, and multiple fusion and ensemble-based approaches. We also show that similar approaches can be used across tasks as many of the features generalize well to the different problems (e.g. facial features).

Friday, March 5th, 2021

11:00 AM

Online (MS Teams)

Please email for more information

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THE PUBLIC IS INVITED

Examining Committee

Shaun Canavan, Ph.D., Major Professor

Dmitry B. Goldgof, Ph.D.

Srinivas Katkoori, Ph.D.

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

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

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