

UNIVERSITY OF SOUTH FLORIDA

Defense of a Master's Thesis

Action Recognition Using the Motion Taxonomy
by
Maxat Alibayev

For the MSCS degree in Computer Science

With an idea of representing motion features in an explainable way, we develop a motion prediction framework that extracts high-level motion features from videos represented as the binary motion codes. We derive the motion codes from the motion taxonomy, a hierarchical structure that defines salient motion attributes. We also integrate the extracted motion features into the state-of-the-art action recognition model and achieve improved performance over the baseline model.

Wednesday, June 17th, 2020
2:00 PM

Online (Collaborate Ultra)
Please email for more information
alibayevm@usf.edu

THE PUBLIC IS INVITED

Examining Committee

Yu Sun, Ph.D., Major Professor
Dmitry B. Goldgof, Ph.D.
Sudeep Sarkar, 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.*