

UNIVERSITY OF SOUTH FLORIDA

Defense of a Doctoral Dissertation

Semantic Descriptions of Videos with Pattern Theory

by

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For the Ph.D. degree in Computer Science & Engineering

We present a novel framework, based on Grenander's pattern theory concepts, for generating descriptions of activities in videos. This framework allows us to elegantly integrate domain knowledge constraints and machine learning models in a unified formalism. We compare and show superior performance of our approach against traditional discriminant and graphical model-based approaches used in the literature.

November 28, 2016

10:00 AM

CUTR 102

THE PUBLIC IS INVITED

Examining Committee

Glenn Whichard, Ph.D., Chairperson
Sudeep Sarkar, Ph.D., Co-Major Professor
Anuj Srivastava, Ph.D., Co-Major Professor
Dmitry Goldgof, Ph.D.
Rangachar Kasturi, Ph.D.
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