

UNIVERSITY OF SOUTH FLORIDA

Defense of a D

Functional Object-Oriented Network: A Knowledge Representation
for Service Robotics

by

David A Paulius

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

Examining Committee

Susana Lai-Yuen, Ph.D., Chairperson

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Paul Rosen, Ph.D.

Sudeep Sarkar, Ph.D.

Yicheng Tu, Ph.D.

Friday, 6th March, 2020

2:00 PM

ENB337

THE PUBLIC IS INVITED

Publications

D. Paulius, Y. Huang, J. Meloncon, and Y. Sun, "Manipulation Motion Taxonomy and Coding for Robots", (IROS 2019)

D. Paulius and Y. Sun, "A Survey of Knowledge Representation in Service Robotics", Robotics and Autonomous Systems 118, 13-30, July 2019

A. B. Jelodar, D. Paulius and Y. Sun, "Long Video Activity Understanding using Functional Object-Oriented Network", IEEE Transactions on Multimedia, 2019

D. Paulius, A. B. Jelodar and Y. Sun, "Functional Object-Oriented Network: Construction & Expansion", (ICRA 2018)

D. Paulius, Y. Huang, R. Milton, W. D. Buchanan, J. Sam and Y. Sun, "Functional Object-Oriented Network for Manipulation Learning", (IROS 2016)

M. Alibayev, D. Paulius, and Y. Sun, "Improved Motion Recognition using Motion Taxonomy", (Submitted to IROS 2020)

Robert Bishop, P
Dean,

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

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