FLORIDA STATE UNIVERSITY COLLEGE OF ENGINEERING

FACIAL EMOTION RECOGNITION USING ASYMMETRIC PYRAMIDAL NETWORKS WITH GRADIENT CENTRALIZATION AND LEARNABLE PREPROCESSORS

By

HUANYU ZANG

A Dissertation submitted to the Department of Electrical & Computer Engineering in partial fulfillment of the requirements for the degree of Doctor of Philosophy

2022

Huanyu Zang defended this dissertation on October 21, 2022. The members of the supervisory committee were:	
	Simon Foo
	Professor Directing Dissertation
	Anke Meyer-Baese
	University Representative
	Shonda Bernadin
	Committee Member
	Rodney Roberts
	Committee Member
	erified and approved the above-named committee members, and certifies een approved in accordance with university requirements.