

FLORIDA STATE UNIVERSITY

COLLEGE OF MUSIC

CONDUCTING WITH MULTIMEDIA IN LIVE PERFORMANCE:

A FRAMEWORK OF TECHNIQUES AND TECHNOLOGIES

By

NATHAN DOUGLAS HAINES

A Dissertation submitted to the  
College of Music  
in partial fulfillment of the  
requirements for the degree of  
Doctor of Philosophy

2023

Nathan D. Haines defended this dissertation on April 7, 2023.

The members of the supervisory committee were:

Alexander Jiménez

Professor Co-Directing Dissertation

William E. Fredrickson

Professor Co-Directing Dissertation

Valerie M. Trujillo

University Representative

D. Gregory Springer

Committee Member

The Graduate School has verified and approved the above-named committee members, and certifies that the dissertation has been approved in accordance with university requirements.