

FLORIDA STATE UNIVERSITY
FAMU-FSU COLLEGE OF ENGINEERING

DETAILED FLOW FIELD STUDY OF AN UPSWEPT CYLINDER WAKE AND
EXPERIMENTAL OPTIMIZATION USING ACTIVE FLOW CONTROL

By

FERNANDO ZIGUNOV

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

2020

Fernando Zigunov defended this dissertation on November 06, 2020.
The members of the supervisory committee were:

Farrukh Alvi
Professor Directing Dissertation

Kevin Speer
University Representative

Lou Cattafesta
Committee Member

Rajan Kumar
Committee Member

Kunihiko Taira
Committee Member

Christian Hubicki
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.