

FLORIDA STATE UNIVERSITY  
FAMU-FSU COLLEGE OF ENGINEERING

POWER-SIGNAL INTEGRATED GATE DRIVER DESIGN AND PROTECTION FOR  
MEDIUM-VOLTAGE SIC MOSFETS

By  
ZHEHUI GUO

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

2022

Zhehui Guo defended this dissertation on November 3, 2022.

The members of the supervisory committee were:

Hui Li

Professor Directing Dissertation

Juan Ordonez

University Representative

Fang Z. Peng

Committee Member

Jinyeong Moon

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.