## FLORIDA STATE UNIVERSITY COLLEGE OF ENGINEERING

PREDICTING SUBSYNCHRONOUS RESONANCE (SSR) INSTABILITY USING REAL-TIME DIGITAL SIMULATOR (RTDS) AND THE NYQUIST STABILITY CRITERION (NSC)

By

SEAN SMITH

A Thesis submitted to the Department of Electrical and Computer Engineering in partial fulfillment of the requirements for the degree of Master of Science

| Sean Smith defended this thesis on April 11, 2023.<br>The members of the supervisory committee were:   |                            |
|--|----------------------------|
|  |                            |
|  |                            |
|  |                            |
|  | Michael Steuer             |
|  | Professor Directing Thesis |
|  |                            |
|  | Sastry Pamidi              |
|  | Committee Member           |
|  |                            |
|  | Yuan Li                    |
|  | Committee Member           |
|  |                            |
|  |                            |
|  |                            |
| The Graduate School has verified and approved the above-named committee members, and certifies that the thesis has been approved in accordance with university requirements. |                            |
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