## FLORIDA STATE UNIVERSITY COLLEGE OF ARTS AND SCIENCES

## SOLID-STATE $^1$ H NMR STUDIES OF HYDROGEN TRANSFER IN CATALYSIS AND ENERGY STORAGE

By

ALYSSA MICHELLE ROSE

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The members of the supervisory committee were:

Yan-Yan Hu

**Professor Directing Dissertation** 

Samuel Grant

University Representative

Albert Stiegman

Committee Member

Michael Roper

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.