## UNIVERSITY OF SOUTH FLORIDA

## **Defense of a Doctoral Dissertation**

Composition of Atomic-Obligation Security Policies

by

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For the Ph.D. degree in Computer Science and Engineering
There has been significant work to date on policy-specification languages that allow specification of arbitrary obligations, but there continues to exist open challenges in the composition of these arbitrary obligations, especially when obligations can be complex (i.e. consist more than one action). There are currently no solutions that allow complete and automatic resolution of conflicts between policies and other policies' obligations or that allow policies to react to the complex obligations of other policies. In particular, there is minimal work that considers the benefits and challenges of allowing complex obligations that