UNIVERSITY OF SOUTH FLORIDA

Defense of a Master's Thesis

A Comparative Study of Formal Verification Techniques
for Authentication Protocols
by
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For the MSCS degree in Computer Science & Engineering

This thesis presents a comparative study of formal verification tools for security protocols for their respective strengths and weaknesses supported by the results from several case studies. Models of well-known security protocols are formalized and verified using explicit model checking (SPIN), symbolic analysis (Proverif), and theorem proving (Coq).

October 2nd, 2015
10:00 am
ENB 313

THE PUBLIC IS INVITED

Examining Committee

Dr. Hao Zheng, Ph.D., Co-Major Professor
Dr. Jarred Ligatti, Ph.D., Co-Major Professor
Dr. Yao Liu, Ph.D.

Robert Bishop, Ph.D.
Dean, College of Engineering

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Dean, Office of Graduate Studies