

# UNIVERSITY OF SOUTH FLORIDA

## Major Research Paper Presentation

### Precise and General Static Analysis Framework for Security Vulnerability Detection in Android Apps

by

Fengguo Zhang

For the Ph.D. Degree in Computer Science

Large program behaviors of the application as objectives for static analysis. Thus, we designed a novel approach to conducting static analysis for Android apps, and built a static analysis framework called AppSec. The framework consists of several components, including a novel data flow analysis, a novel control flow analysis, and a novel application security analysis. The framework is able to detect security vulnerabilities in Android apps.

05/01/2018

2:00 PM

ENB 313

THE PUBLIC IS INVITED

Examining Committee

Xinming Chen, Ph.D. Major Professor

Jay Ligatti, Ph.D.

Yao Liu, Ph.D.

Nasir Ghani, Ph.D.

Robby H. H. Cheng, Ph.D.

Miguel Labrador, Ph.D.

Graduate Program Director

College of Computer Science and Engineering

Computer Science and Engineering

State Park

Department

Computer Science and Engineering

Disability Accommodation

If you require a reasonable accommodation, please contact the Office of Diversity & Inclusion at 813-974-4373 at least five (5) working days prior to the event.

Office of Diversity & Inclusion | Opportunity at 813-974-4373 at least five (5) working days prior to the event.