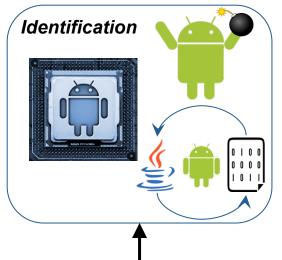
# **Trustdroid**

### Identifying and Mitigating Trust Violations in the Smartphone Ecosystem

#### **Challenge:**

- Identifying and mitigating trust violations in the smartphone ecosystem
  - User UI
  - User Market
  - Apps Network
  - Apps OS
  - ...

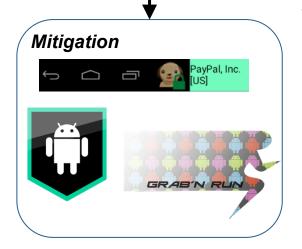


#### **Scientific Impact:**

- Study and mitigate trust violations currently exploited in the wild
- Identifying novel trust violations
- Developing and evaluating automatic detection and mitigation solutions

#### **Solution:**

- Identification
- Logic-bomb discovery
- Bare-metal analysis
- Java/native code interaction analysis
- Mitigation
  - App sandboxing
  - Trustworthy GUI attribution
  - Safe code downloading



## **Broader Impact:**

- Scientific publications
- Collaboration with vendors
- Open source releases
  - Android UI modifications
  - Grab'n run
  - Baredroid