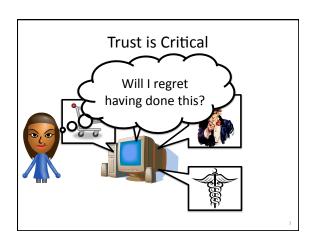
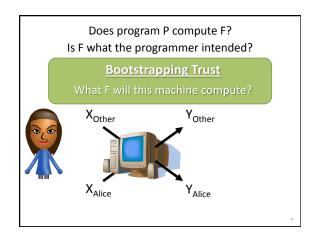
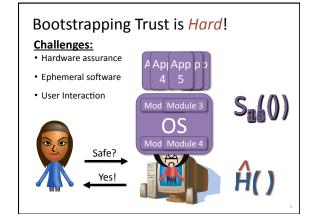
## Bootstrapping Trust in Commodity Computers

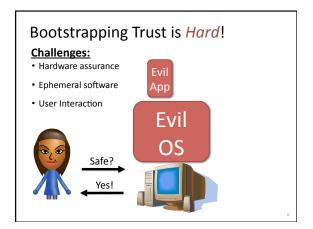
Bryan Parno, Jonathan McCune, Adrian Perrig
Carnegie Mellon University

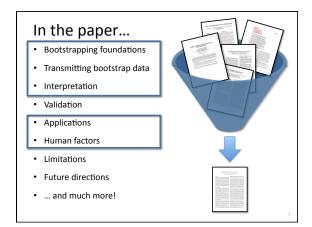






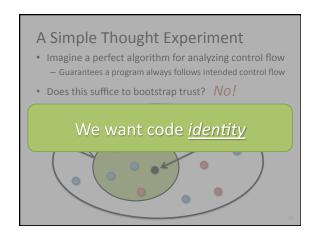












## What is Code Identity?

- An attempt to capture the behavior of a program
- Current state of the art is the collection of:
  - Program binary
  - Program librariesFunction f
  - Program configuration files
  - Initial inputs
- Inputs to f

• Often condensed into a hash of the above

## Code Identity as Trust Foundation

- From code identity, you may be able to infer:
  - Proper control flow
  - Type safety
  - Correct information flow

...

· Reverse is not true!

12

