### IN OUR UBIQUITOUS ENVIRONMEN, YE DESIRE:

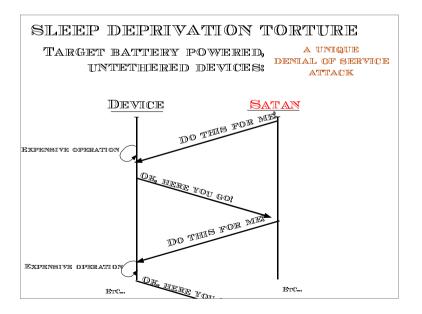
AVAILABILITY
SLEEP DEPRIVATION TORTURE

AUTHENTICITY
RESURRECTING DUCKLING

INTEGRITY
TAMPER EVIDENT-NESS

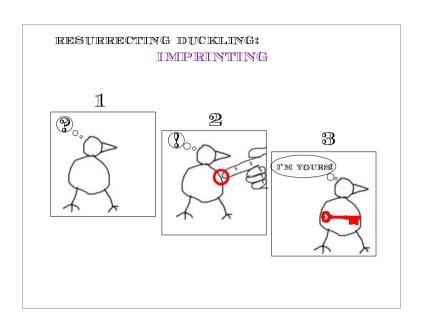
CONFIDENTIALITY

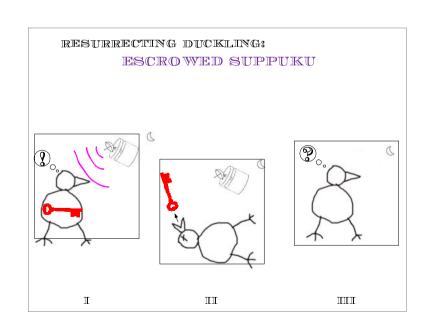
1 The Resurrecting Duckling: Security Issues for Ad-hoc Wireless Networks

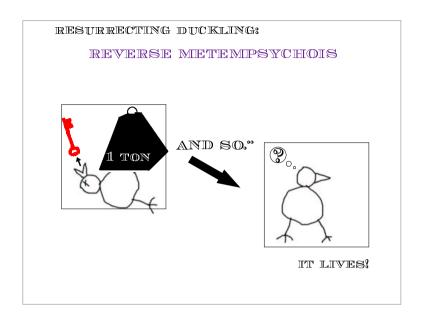


# AVAILABILITY VS. SLEEP DEPRIVATION TORTURE

## AUTHENTICITY WITH RESURRECTING DUCKLING

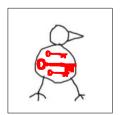






#### RESURRECTING DUCKLING:

ONE DUCK, MULTIPLE SOULS



MULTIPLE DEATH POLICIES

MULTIPLE OWNERS

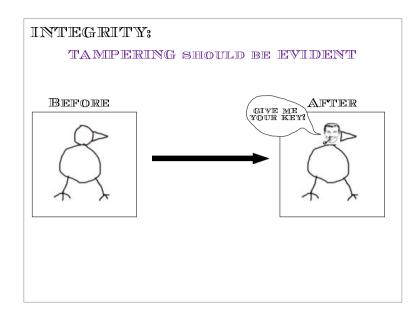
#### INTEGRITY

THANKS TO TAMPER EVIDENT-NESS

#### CONFIDENTIALITY

SAYETH THE PAPER:

"EASY ONCE AUTHENTICATION HAS BEEN SOLVED,"





SOME THINGS TO NOTE ABOUT RESURRECTED DUCKLING PROTOCOL

> IT ATTEMPTS TO SOLVE AN AUTHENTICATIOIN PROBLEM.

CAN IT WORK FOR PROGRAMS THAT WISH TO AUTHENTICATE EACH OTHER?

EG: MY PDA WANTS TO AUTHENTICATE WITH THE PROJECTOR ON THE CEILING.

#### MORE SECURITY ISSUES TO CONSIDER

- ✓ ANONYMATPRIVACY WITHOUT AUTHENTICATION
- ★TRUST, OR AUTHENTICATION OF DEVICE
  EG. DUCKLING AUTHENTICATES OWNER
- ✓ AUDIT LOGS
  INTEGRATEREFUTABILITY
- COMMUNICATIONS PROTOCOLS BLUETOOTH, 8401

### The Resurrecting Duckling: Security Issues for Ad-hoc Wireless Networks, F. Stajano, et al., Security Protocols, 7th International Workshop Proceedings,

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