

CSE 484 / CSE M 584 (Spring 2012)

# Physical Security & Cryptography

---

Tadayoshi Kohno

Thanks to Dan Boneh, Dieter Gollmann, Dan Halperin, John Manferdelli, John Mitchell, Vitaly Shmatikov, Bennet Yee, and many others for sample slides and materials ...

# Now on to physical security

---

- ◆ Relate **physical security** to **computer security**
  - Locks, safes, etc
- ◆ Why?
  - More similar than you might think!!
  - Lots to learn:
    - Computer security issues are often very abstract; hard to relate to
    - But physical security issues are often easier to understand
  - Hypothesis:
    - Thinking about the “physical world” in new (security) ways will help you further develop the “security mindset”
    - You can then apply this mindset to computer systems, ...
  - Plus, communities can learn from each other

# Not Online

---

- ◆ The following slides will not be online
- ◆ But if you're interested in the subject, we recommend
  - Blaze, "Cryptology and Physical Security: Rights Amplification in Master-Keyed Mechanical Locks"
  - Blaze, "Safecracking for the Computer Scientist"
  - Tool, "Guide to Lock Picking"
  - Tobias, "Opening Locks by Bumping in Five Seconds or Less"
  - Long, "No tech hacking" (Video from DEFCON 2007)  
<http://www.youtube.com/watch?v=5CWrzVJYLWw>