CIS 607 Seminar
Computer Security in the Physical World

Winter 2012
Welcome

• Seminar goals
  ‣ Exposure to how computer security concepts translate into the real world
  ‣ Look at cool applications of security through papers
  ‣ Present and discuss interesting topics and potentially think about research ideas
Class Logistics

• Wednesdays 12-1:20, room 260(?)

• 10 sessions, each on a different topic

• Sessions will be **student-driven**; I’m merely here to facilitate
For Each Session

• One (possibly two) discussion leaders/presenters

• Responsibilities of the presenter:
  ‣ Create a session-length presentation on the topic to be discussed
  ‣ Discuss the paper assigned as the jumping off point for that week’s topic
  ‣ Read other related papers and incorporate as necessary to provide more context for discussion (send to class)

• One (possibly two) scribes
  ‣ Capture presentation and discussion
To get credit

• Each student will:
  ‣ be a presenter for one session
  ‣ be a scribe for one session

• If we have more than ten students
  ‣ Possibly tag-team on presentation topic or scribing

• Let me know soon what topic you want
  ‣ List of three for presenting and scribing
How to not get course credit

• Do a crummy job with your presentation or skip it altogether
• Do a crummy job with the scribe notes or skip doing it altogether
• Show total lack of comprehension indicative of not having read the papers before class
• Have two or more unexplained absences (reasonable absences: attending conference, job interview, trapped under a burning couch, Mayan apocalypse)
Tentative Topic List

• Lock picking (today)
• Cellular networks
• Keyboard attacks
• Wiretapping
• Voting systems

• Medical devices
• Automotive systems
• Smart grid
• Usability failures
• Banking security