## CIS 700/002 : Special Topics : Security of Embedded Systems, Cyber-Physical Systems, and Internet-of-Things

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## **Today's Class**

- Assign next week's homework/reading
- A survey on wireless Security: Technical Challenges, Recent Advances, and Future Trends. Zou et al., Proceedings of IEEE, May 2016.
  - presenter: Konstantinos Gatis
- Break
- Practical attacks against WEP and WPA. M. Beck and E. Tews, Aircrack-ng, 2008.
  - presenter: Dagaen Golumb
- Bluetooth: With Low Energy comes Low Security. M. Ryan, Workshop on Offensive Technologies, 2013.
  - presenter: Kamenee Arumugam





## Assignments

- Reading / Presentations
  - A large-scale analysis of the security of embedded firmwares. A. Costin et al., USENIX Security, 2014.
    - presenter: Hung
  - Metaphor: a (real) real-life stagefright exploit. North-bit.
    - presenter: Teng
  - Bluetooth: With Low Energy comes Low Security. M. Ryan, Workshop on Offensive Technologies, 2013.
    - presenter: Kamenee Arumugam
- Tool demo: assignment is posted under projects page
  - see course website -> projects -> tool demo assignments
  - demos begin Feb 24!!!! (2 weeks)

