

Privacy in Wireless/Ubiquitous Computing

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1

Project

- **Poster session**
 - We'll provide easels
 - You need to get the poster board
 - » Campus store or office supply stores usually have it
 - Print your slides
- **Slides**
 - Problem motivation & definition
 - Approach
 - Design & implementation
 - Evaluation: if something didn't work as expected, explain why
 - Comparison with related work
- **Hand-in (in addition to project report)**
 - Tarball
 - » Including all source files
 - » Code, paper, presentation subdirectories
 - » Code: including make files, readme, src dir, eval dir (with test scripts & test samples)
 - Email
 - » If too big, CD/DVD
 - Same due time

2

Guest Lectures

- **Jens: economics/psychology/HCI with privacy**
- **Seth: EFF**
 - privacy-related courtcases/experiences

3

Ubiquitous Computing

- What wireless devices are you carrying?

- What information about you do you think are being recorded about your daily life?

4

This Class: Experiment--- Star paper summary in class

- Privacy in wireless/ubiquitous computing: challenges & directions
- I've taught a lot, this class is about learning the discovery process yourself
- Three people a group
- Discuss questions & report your findings/thoughts/best answers you can come up with
 - Be free to think!

5

Questions #1

- What are your dream applications in ubiquitous computing?
 - Assuming tomorrow's technology can achieve anything :)

- What information do you need to collect to enable your dream applications?

6

Question #2

- You'd like to spy on Joe, to learn as much as possible about him and his daily life, and in a stealthy way. How would you do it? What technologies are enabling factors?

7

Question #3

- If you were Joe, how do you plan to protect your own privacy?

8

Question #4

- If you were Joe, how would you protect your own privacy and enable your dream ubiquitous computing applications at the same time? What are the challenges? Any ideas about addressing them?

9

Summary

- **Privacy in wireless/ubiquitous computing**
 - Challenging
 - Tension with functionality
 - Lots of open questions
