Read Me First

- Everything is in the Web
  - Syllabus, lecture notes, reading materials, projects, …
  - Just participate, need not take notes
Who Am I?

• Yongguang Zhang, Adjunct Assistant Professor
• Ph.D. in Computer Sciences, 1994, Purdue
• 3rd semester in UT
  – Taught 2 grad courses in UTCS
• 1994-2000: Senior Research Scientist at HRL
  – Doing basic research for Boeing/Raytheon/GM
• My web site: http://www.cs.utexas.edu/users/ygz

A New 395T Course

• Second Time Offered in UTCS
• Flavors:
  – CS (not EE)
    • Network layer and up
  – Systems (not Theoretical)
    • Architecture, mechanisms, constructs, procedures, implication, experimentation, …
  – Implementation Project (50% of your grade)
What Are We Going to Learn?

- Appreciate the system design principles in mobile computing and the paradigm shift
- Impacts on computer sciences
  - Resource management
  - Distributed computing and network protocols
  - Data/information management
  - User interfaces
- Survey the state-of-the-art research and develop new ideas

Today’s Class

- Lecture: Introduction to Mobile Computing (45min-1hr)
- Course Matters
  - Website, syllabus, reading materials, projects, policies, …
  - Q&A
- To Add this class:
  - Current Enrollment: 25.
  - Priority: Last year’s wait list, CS Ph.D., CS Master, ECE Grad
  - Come see me this afternoon: ACES 6.240
Introduction to Mobile Computing

Course Matters

- **Website**
  - This course is largely paperless
  - Syllabus, lecture notes, reading materials, projects, …

- **Course structure**
  - I will give selected lectures
  - Rest of the class meeting will be discussion of papers
    - 3-5 papers per topic
  - Individual or team projects
    - Projects will be given around 4th weeks
    - You need to spend at least 10 hours/week on this course
Course Matters

- Textbook?
  - None (there isn’t any good one yet)

- Reading Materials
  - See course web site for each lecture
  - “Lecture Note” (if any)
  - “Papers (Required)”
    - You are required to read all the papers in this section
    - Some will be used in course discussions
    - Some may be covered in mid-term (I may give you a narrowed-down list one week before mid-term).
  - “References (Recommended)”

Today’s Homework

- Read the papers listed in the web site (under Lecture 01).
Summary

• Mobile Computing
  – New and exciting field
  – Many opportunities
• We will Learn a lot in This Course
  – Understand the state of the art
  – New ideas and new contribution
  – New ways of using mobile computing and wireless network
• It will be Very Rewarding

Lots of Work to Do

• Be Daring!
• Challenge Yourself!
• Have Fun!