CS 3550

Data Management for Tiny and Mobile Devices

Prof. Panos K. Chrysanthis

special guests/co-instructors

Profs. Alexandros Labrinidis and Kirk Pruhs

Spring Term (04-2)
Logistics

- **When:**
  - Original: Tue & Thu 2:30-3:45pm
  - New: Tue 1:30-3:30pm & Thu 1:30-2:45pm

- **No Class:**
  - 1/8-1/20 (next class 1/22)
  - 3/8-3/22 (Spring break & SAC 04)

- **Where:** 5313 SENSQ

- **What:** State of the art-papers
Goals

• Understand the state-of-the-art in data streams, sensor networks, mobile and wireless technology
• Discover unsolved problems and challenges
• Learn (practice) how to give a good presentation
• Learn (practice) how to review papers
• Learn (practice) how to write a good technical paper
• Produce a publishable paper
Course Requirements

• Participation: 10%
• Presentations: 15% + 15%
• Quizzes: 15%
• Term Paper: 20%
• Term Project: 25%
Course Structure

Choose a topic from the schedule

– group of 2 students is permitted (FCFS)

1. Each group will
   • Come with additional bibliography; short list of 2-3 other papers
   • Create a web page with pointers to the papers
   • Present the papers (1-2 talks)

2. Each group will
   – Execute a project
   – Do a project presentation at the end of the term
   – Write a project report
Preparation of your Talk

• Reading: Read the papers but read others as well:
  – Citers and Cited, follow-ups by the same author, etc.
• Assume that the average reader has understood the easiest 2/3 of the paper.
• You, the expert on the papers, need to supply the rest.
Talk Outline

• Categorize issues and solutions in your topic
  – those that are unique to the new environments and systems
  – those that are shared with any distributed system
• Broad-brush sketch of important results
  – give outline of talk in this context
• Postpone discussion of things you are going to treat in detail later
• Details of 2-3 chosen issues/solutions
• Summary of solved problems, unsolved problems, non-problems

➢ A peek into your paper & project ideas
Administrative

• web page:
  http://db.cs.pitt.edu/courses/cs3550/04-2
  – check often!

• use keyword **cs3550** in all emails to instructor
  (as part of the subject line)

• class mailing list: Register by Friday Jan. 9th by
  sending an email to the instructor.. me 😊