CS 3551

Data Management on the Cloud

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Fall Term 2010 (11-1 or 2111)

Logistics

- When : Tue & Thu 1:00-2:15pm (regular)
  Fri 10:00am – 2:00 pm ? (make-up)
- Where: ~~5313~~ 6516 SENSQ
- What:
  - Project-oriented investigation
  - Study state of the art-papers

- Understand the state-of-the-art in data management on cloud infrastructures
- 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: **20%**
- Presentations: **25%**
- Paper Reviews: **15%**
- Term Project & Report: **40%**

Administrative

- web page:
  http://db.cs.pitt.edu/courses/cs3551/fall2010
  – check often!
- use keyword **`cs3551`** in all emails to instructor (as part of the subject line)
- class mailing list: You would be signed up.

Course Structure

1. Each group (group of 2 students is permitted) will
   - Select papers from the bibliography or come with alternative list of papers
   - Present the papers (1-2 talks)
2. Each group will
   - Execute a project
   - Do a project presentation at the end of each month and 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

Topics & Projects

Topics	Metrics	Projects
	QoD, QoS	
?		?
?	Energy Time Space	?