

## CS 555 Paper/Presentation: Hot Topics in Networking

**Assigned:** Thursday, October 16, 2008

**Presentations Start:** Thursday, November 13, 2008

**Paper Due:** Thursday, December 4, 2008 *at the beginning of class*

The main purpose of this project is to integrate the theoretical concepts you learn in class with real-world developments. Since trade journals (*e.g.*, *Computer World*, *ACM Queue*, *Network World*) contain abundant information on the latest product developments and techniques being practiced, they are the best sources to meet this purpose.

### Assignment

You may choose from the following broad topics:

- **Peer-to-Peer (P2P) Protocols**
- **Internet Security Issues**
- **Security Issues in Wireless Networks**
- **Mobile Networking Issues**
- **Vehicular Networks**

You are expected to choose *at least* two articles that address one of these topics. The selected articles should contain sufficient information so that the reader can make a good judgment about the product/concept, know which techniques are used, etc. Each article should be read, understood, and related with concepts discussed in class.

Your assignment is to write a six-page report *in your own words*. **It is *not acceptable* to reproduce sentences or paragraphs from the articles (even if you change a word or two in each sentence).** In this report, you should summarize what you have learned from the articles. Instead of providing a separate summary for each article that you have read, you should provide a single summary that integrates the concepts in all articles in a unified manner. You must provide complete references to all referred articles (including URLs if the articles were found online). In addition to references to your main articles, provide references for any background information that you include and found somewhere other than the main articles.

In addition to the paper, you must prepare a 10-15 minute lecture-style presentation on your topic (the idea is to teach your fellow students something). Presentations will be held on the following days (order of presenters will be chosen at random, but you should be prepared to present on the first day of presentations):

- Thursday, November 13
- Tuesday, November 18
- Thursday, November 20
- Tuesday, November 25
- Tuesday, December 2

## Suggested Deadlines

Oct 23 – topic chosen, papers selected (mandatory deadline)

*Send me an email with the subject “CS 555 – topic” to register your paper topic.*

Oct 30 – outline of paper

Nov 13 – first draft

## Format

- Six pages, double-spaced, 1-inch margins
- 12-point font (either Arial, Helvetica, or Times New Roman)
- Include section headings and subsection headings. You **must** include Introduction, Conclusion, References, as well as other appropriate headings.
- Format for References Section:  
Authors' names. Article Name. *Magazine Name*, vol. Volume, no. Number, (Month Year), pp. Pages.

### Example:

Fall, K. and S. McCanne. You Don't Know Jack About Network Performance. *ACM Queue*, vol. 3, no. 4, (May 2005), pp. 54-59.

- Format for Citing Inside the Paper: (Authors' Last Names, Year)

**Example:** (Fall and McCanne, 2005)

## Resources

Do not consider academic journals, such as *IEEE Transactions on Networking*, or conference proceedings, such as *ACM SIGCOMM*. The intent is to select articles dealing with practical issues or applications.

The campus library (<http://www.lib.odu.edu/resources/ss/index.htm>) and the public libraries are good sources for the trade journals. I also have a selection of *Communications of the ACM*, *IEEE Spectrum*, and *IEEE Communications* issues in my office. You're welcome to come by during office hours and take a look at them.

Note that wikipedia is **not** an acceptable resource. If you find background information on wikipedia, find a primary source (textbook or article) that you can cite instead.

Here is a partial list of possible sources (it is not exhaustive):

- |                              |                                |
|------------------------------|--------------------------------|
| • <i>Byte</i>                | • <i>Networking Management</i> |
| • <i>Computer World</i>      | • <i>SmartNet</i>              |
| • <i>ACM Queue</i>           | • <i>PC Computing</i>          |
| • <i>Datamation</i>          | • <i>PC Magazine</i>           |
| • <i>MacUser</i>             | • <i>PC Week</i>               |
| • <i>Media &amp; Methods</i> | • <i>Technology Review</i>     |
| • <i>Network World</i>       |                                |