For this assignment you will write a term paper based on at least three published papers on the topic of your choosing. Your term paper should be 5-6 pages in length. You must write the term paper by yourself (i.e., you cannot have a partner). The topic of your paper cannot be any topic that we covered in class. The purpose of the paper is for you to learn about a topic we have not previously covered. You should do a survey of a topic of your choosing, examining at least three different approaches to solving some problem. You should discuss how the approaches differ, including the respective strengths and weaknesses of the proposed approaches. You should also specify whether there are specific scenarios for which one approach is more well-suited than another.

Possible topics include:

- network security:
  - VPNs
  - Wireless networks
  - Firewalls

- Internet performance/trends
- Internet visualization techniques
- reliable multicast
- anycast
- peer to peer computing
- service discovery
- micromobility protocols
- multicast routing protocols in ad hoc mobile networks
- sensor networks
  - localization
  - routing
  - time synchronization

Places to look to find papers include the following conferences and urls: SIGCOMM, INFOCOM, MOBICOM, MobiHOC, ICNP, Global Internet, NOSSDAV, IMC, www.caida.org, www.melvyl.ucop.edu

The format of the paper should be the following:

- Introduction to the topic
- Presentation of the three approaches
- Discussion of the strengths and weaknesses of each approach
- Conclusion
- References

The references that you cite should be published papers from conferences and journals. They cannot be news articles. You should use full paper citations. For conference papers, this includes: Author names, paper title, publication place (conference name), conference location, and conference month and year. For journal papers, this includes: Author names, paper title, journal name, volume, number, pages, and month and year of issue.

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