

**COSC 6389, Department of Computer Science, University of Houston**  
**Term Paper Guidelines, Fall 2013, Draft I Due Nov. 30 at 11.59pm**  
**Final Paper Due Dec. 7 at 11.59pm**

All work **must** be your own. Discussions with *others in this class in this semester ONLY* are allowed on the term paper *after your topic has been chosen and outline has been turned in*.

The task is to:

1. Survey the literature on Computer and Network Security during the period 2002-2013.
2. Identify a set of related problem(s) or technique(s) that is directly related to this course, was discussed in this period, and constitutes useful, impactful research. For this semester the topic of the term paper must be in one of the following areas:
  - (a) Email or Website security.
  - (b) Security of Text Data.
  - (c) Natural Language Processing techniques for Computer and Network Security.
  - (d) Data/Text Mining techniques for Computer and Network Security.
  - (e) Machine Learning techniques for Computer and Network Security.
  - (f) Wireless Sensor Network Security.
  - (g) Security of Medical Implantable Devices.
  - (h) RFID security.
  - (i) MANET security.
3. Write a one page outline due October 31 at 1pm of your term paper. You will need to discuss the outline with me during office hours on one of the days: Oct. 23, 24, and 30 (i.e., *before* handing it in).
4. Write a term paper describing the problem(s) or technique(s), their relevance to the course, their general significance, solution or status, and any remaining open problems that are related. The term paper must have at least three sources and at least two of them should be research papers in reputable conferences/journals.

If the problem or technique is not deemed satisfactory for any reason in Step 3 above, you will have until Nov. 7 to come up with a satisfactory alternative. Hence you are strongly encouraged to choose the problem carefully and to hand-in and discuss your outline well before the deadline.

**Formatting.** The term paper must be typed on no more than **six** letter-size pages. Use: only one side of each sheet, single spacing and 1 inch margin on all sides with no less than 10 point font. You may attach an appendix of up to two additional pages if you wish, but the term paper must be understandable without reading the appendix. The appendix may be read at the discretion of the instructor so do not put any required reading material in the appendix. **Staple** all sheets together. No unstapled term papers will be accepted. Follow MLA format for the bibliography section of the paper very carefully.

**Some starting points.** The following conferences and journals are known to publish quality Security research and **MUST** be used as starting points: IEEE Symposium on Security and Privacy, ACM Conference on Computer and Communications Security (CCS), USENIX Security Symposium, and IEEE Computer Security Foundations Symposium (used to be a workshop before), ACM Transactions on Information and System Security, Journal of the ACM, Journal of Computer

Security, International Journal of Computer Security, IEEE Trans. on Dependable and Secure Computing.

N.B. Do **NOT** tear papers from books or journals in the library! The library has excellent CDROM databases and free printing facilities and low cost copying services.

**Peer Review.** The first draft will be reviewed by one of your peers. The peer will have 3 days to turn in his/her comments via email. You will have 2 days to respond to the comments via email.

Final Term Paper will be due Dec. 7 by 11.59pm.