CSc 6222 Project Guidelines
Spring 2018

The goal is to comprehend and summarize, in your own words, the published work in a particular research area of computer security. It is expected that you identify an open problem on this topic and propose a possible solution. Simulations or analysis to back up the proposed methods would be a plus. Ideally, you will be able to generate a conference publication from this work.

Important dates:

- Friday, February 16: **Topic selection**. Email your choice of topic. Only one student should work on a particular topic. The earlier you choose, the more likely that you will be able to select your preferred topic. Try to be as specific as possible. For instance, you should select something like "A Sybil Resistant DHT Implementation" rather than simply "Distributed Hash Tables"

- Monday, March 19: **Proposal due**. The proposal should be between 1-3 pages. You should mention briefly the goal of your project, or the problem; and if you know how you are going to achieve that (any techniques or methods that you are planning to use in order to solve the problem at hand or achieve the goal). You list of references should be included as well.

- Monday, April 16 and Wednesday, April 18: **40 minute in class presentation**. This is to present the survey material on the topic, as well as your own individual work. Slides are due on the day of your presentation.

- Friday, April 27: **Final report due**.

Report Format:
Refer to the IEEE guidelines for conference proceedings. Report should be roughly 8 pages double column.

Introduction

- Why your topic is important (convince us!)
- Where is it used? Applications
- What you will talk about / do
- Overview of the rest of your paper

Background and related work

- Any relevant and specific info, e.g. software / hardware statistics, equipment used
- What other people had to say on this topic
- What other people did on this topic
- Problems and shortcomings of their work
- How your work is different and better

Proposed methodology

- Your approach to the problem
- What you did
- Code / Algorithms

- What did / didn't work
- Results – include graphs, equations, pictures, as appropriate

Conclusions

- What was accomplished / learned
- What you would have done differently
- Future work

References

Appendix (if needed)