

Seminar: Current Research Literature in Security

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1 Introduction

This seminar concerns current research in the area of information security. As many other research areas in technology, the area of security is an area which moves forward very quickly. This makes it very important to be able to take part of new research in this area, otherwise your security level might decrease as the world around you moves forward. Since the lack of security measures can be very uncomfortable, it is in everyone's best interest to keep up with this subject.

2 Aim and Scope

The aim of this seminar is that you get a deepened overview of different areas within information security, and after it you should be able to:

- read and *understand* research results in the area of security.
- *reflect* on the relevance and research methodology used in studies.
- *ingest* research results and *present* them to others.

3 Theory

For this assignment you should, with corroboration of the tutor, choose one to three research papers (depending on their size, they should be around 15 to 20 pages in total) in information security.

Since the idea is to deepen your knowledge in some areas of information security, you must choose papers strongly related to the course. For example, you can focus on areas such as:

- usable security,
- privacy enhancing technologies (PETs), or
- more advanced methods for guessing passwords.

These are just examples, you are free to choose the area and papers in corroboration with the tutor.

4 Assignment

You are first going to read the papers you have chosen and maybe discuss the results with a colleague. Then you should prepare a 10 minute long presentation of these papers, you will give this presentation to the class during the seminar as a base for discussion. The presentation should present the following about the papers:

1. research questions,
2. research methodology,
3. the results and their relevance for security.

After your presentation we will discuss what you have presented to the class.

5 Examination

This assignment is examined by the presentation and the participation in the seminar.

The assignment may be done in groups of up to two individuals. If you work in groups the examiner will choose one of the group members to do the whole presentation.