

# The Title of Your Thesis

Your Name(s)

Your Field(s) of Study or Degree Program(s)  
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**Abstract.** Please include a brief summary of your thesis. It should definitely not exceed the space on the title page.

**Keywords:** Include some keywords that are representative of your thesis, e.g.: Privacy, Tracking, Tracking Technologies, Review

## 1 Introduction

In the introduction you may want to address the following issues:

- What is the overall topic space of your thesis?
- What is the specific problem area which you focus on? Why is it interesting, relevant, and/or otherwise worthy of study?
- Do you have concrete research questions which you pursue with your thesis?
- What is your approach and methodology to tackle this problem area and potentially your research questions? (For most of you this will be some form of review of the extant literature.)
- If suitable, can you give a brief summary/overview of your findings?
- Are there high-level takeaways for the topic space which you have targeted?
- Provide a very brief description of the structure of your thesis. (E.g.: In the following section, I/We will discuss ... Then, I/we will adress... Finally, I/we will present a research idea based on my thesis work.)

## 2 Paper Preparation in Latex

### 2.1 General Advice

If you chose to work with Latex, then I assume you have some experience with this approach. You will need to use the files included in the zip file (in particular, Latex class `l1ncs.cls`), so that your text is typeset automatically in a uniform format. Please do not stray from the general layout of this template, except for good reason. Such reasons may include oversized figures and tables. If you are struggling with including such materials, then you can provide them also as separate files.

## 2.2 Packages

I have included already a package for URLs, which can be used as follows to, for example, refer to the site of the *2017 Workshop on the Economics of Information Security*: <http://weis2017.econinfosec.org/>. Of course, feel free to include further packages, which you may need for your thesis.

## 2.3 Structure

Please use sections and subsections as shown for this section to structure your thesis.

**Detail:** Avoid subsubsections. Rather use bold font to further break down your text, as used in this case.

## 2.4 Citations, References, and Footnotes

To cite a paper please use the cite function as the following examples demonstrate:

Example 1 (Describe contents of a paper): Pu and Grossklags present an empirical study to investigate interdependent privacy preferences [1].

Example 2 (Direct quote): Farhang and Grossklags expect their recent work on: “Time-Based Security to positively impact the study of security games of timing, as well as security practice.” [3].

The above citations are a journal article and a conference/workshop article, respectively. Here, is an example for a less formal reference like a reference to an institution [4]. Here is a citation for a book [2].

The papers which I refer to are listed and formatted as bibitems below. Note that you would have to manually sort the items if you want to have them in alphabetical order (or less recommended: in order of appearance). Also, if you include a bibitem in the list at the bottom of the file, it will be included in the references section irrespective whether you actually use it. So, please check at the end whether you do not have unneeded references included as bibitems. Personally, I use always separate bibliography files, and you are of course free to use this as well, if you are familiar with that approach.

Note, you can also refer to sections and subsections in your thesis. For example, I can point you to Section 1, which is the introduction, or to Subsection 2.4, which is exactly this section. Note that you will have to label the sections with the *label* command just below the item which you want to refer to.

Sometimes it is also useful to have footnotes to explain further details or to provide a definition etc.<sup>1</sup>

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<sup>1</sup> This is how you would create a footnote.

**Table 1.** Summary of notations

Variable	Definition
$\mathbf{p}$	Protection time
$\mathbf{d}$	Detection time
$\mathbf{r}$	Reaction time
$c_{\mathbf{D}}$	Defender's cost to reset the system's state
$c_{\mathbf{k}}$	Defender's cost to check the state of the system
$c_{\mathbf{A}}$	Attacker's cost to compromise the defender
$t_{\mathbf{D}}$	Time between two consecutive checks by the defender
$t_{\mathbf{A}}$	Time between two consecutive moves by the attacker
$\tau_{\mathbf{D}}$	Average fraction of time that the defender controls the resource
$\delta_{\mathbf{D}}$	Average time between the defender's two consecutive reset moves
$u_{\mathbf{D}}$	Defender's utility
$u_{\mathbf{A}}$	Attacker's utility

## 2.5 Figures and Tables

In the following, I will refer to the figure included in the Latex text below by properly labeling and referencing it.

Chancellor Merkel gave an informative speech at the dbb-Jahrestagung discussing the role and importance of digitalization in Germany. See, Figure1 for a snapshot from the YouTube video available at: <https://www.youtube.com/watch?v=wNvJeoW7aVY>.

**Fig. 1.** Speech from Chancellor Merkel on January 9, 2017.

Finally, I have included a table taken from [3] listing definitions of mathematical symbols. I would refer to the table in the text as Table 1.

### 3 Good Luck!

Please feel free to contact me with any further questions. Otherwise, good luck with completing your seminar thesis in Latex.

### References

1. Pu, Yu, and Grossklags, Jens: Towards a Model on the Factors Influencing Social App Users' Valuation of Interdependent Privacy. Proceedings on Privacy Enhancing Technologies, Volume 2016, Number 2, pages 61-81 (2016)
2. Foster, I., Kesselman, C.: The Grid: Blueprint for a New Computing Infrastructure. Morgan Kaufmann, San Francisco (1999)
3. Farhang, Sadegh, and Grossklags, Jens: When to Invest in Security? Empirical Evidence and a Game-Theoretic Approach for Time-Based Security. Workshop on the Economics of Information Security (2017)
4. National Center for Biotechnology Information, <http://www.ncbi.nlm.nih.gov>

### Checklist of Items to be Sent to Seminar Instructor

Here is a checklist of everything I require from you:

- ☐ The final L<sup>A</sup>T<sub>E</sub>X source files as a ZIP file
- ☐ A final PDF file