FH | JOANNEUM
University of Applied Sciences

<Title of Your Thesis>

Master Thesis
submitted in conformity with the requirements for the degree of
Master of Science in Engineering (MSc)
Master's degree programme **<degree programme>**

FH JOANNEUM (University of Applied Sciences), Kapfenberg

Supervisor: <firstname lastname>, FH JOANNEUM Kapfenberg

submitted by: <your name>
personnel identifier: 1400000000

June 2016 <edit date!>

Assignment for the master thesis of
<your name>
Matr. no. 1400000000

Subject:
“<Title of Your Thesis>”

Abstract

Write your abstract here.

<place>, <date>

Academic adviser:
<firstname lastname>

<your name>

Formal declaration

(example; there are other wordings possible as well)

I hereby declare that I have produced the present work by myself and without any aids other than those mentioned herein. Any ideas taken directly or indirectly from third party sources are indicated as such. This paper has not been published or submitted to any other examination board in the same or a similar form.

<place>, <date>

<your name>

Acknowledgement

Thanks to . . .

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Chapter 1

Introduction

This template shall provide some consdiderations and text examples for your Master's thesis.

Background. Describe the background, the prerequisites for your work ...

Objective. The aim of this master's thesis is ...

Terms and definitions. Technical terms ... abbreviations are summarised at the end (in "Acronyms"), e.g. application binary interface (ABI) or man-in-the-middle (MITM). If ABI is referenced again, only the acronym is printed (as hyperlink though).

For literature research use e.g. *ACM Digital Library* (ACM, Inc. (Association for Computing Machinery), 2014) or *IEEE Xplore Digital Library* (IEEE (Institute of Electrical and Electronics Engineers), 2015) as available from the FH JOANNEUM Libary web page.

Harvard citation style is implemented in this template: Batina et al. (2012), Fernàndez-Mir et al. (2012), Li et al. (2008)

1.1 Some LaTeX Basics

This section is a *really very short* summary of LaTeX features. Do not forget to remove it after finishing your thesis.

Here you have an included graphic (figure 1.1).

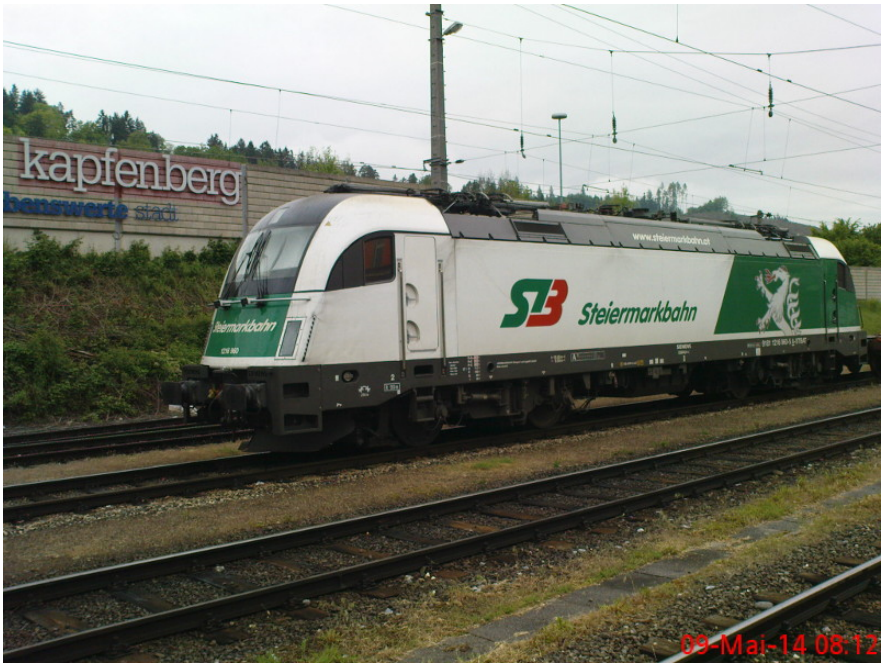

Figure 1.1: Train engine in Kapfenberg

Code listings require the *listings* package which, in turn, requires some settings[1]; see command `\lstset{}` in preamble of this template. Additionally the package *courier* should be used because the defaults do not provide for proper syntax highlighting.

```
1 void main(int argc, char *argv[])
2 {
3   printf("Hello world!");
4 }
```

Listing 1.1: Main programme

In order to see what's possible – here are two fancy tables: 1.1 and 1.2.

Version	Description	Author(s)	Date
1.0	Initial	Ohrt	July 15, 2014
1.1	Filled section "Open Issues"	Ohrt	July 16, 2014
1.2	Added section "Restrictions"	Ohrt	September 15, 2014

Table 1.1: Olive green heading

View also the preamble of this file for explanations.

[1] . . . because the defaults do not fit all purposes

Error	Solution
Java.lang.OutOfMemoryError: PermGen space *(32-/64-bit issue)*	-XX:MaxPermSize=1024M
Error occurred during initialization of VM *or* Could not reserve enough space for object heap	increase or remove -Xms value e.g. -Xms128m -Xmx512m (Eclipse default: -Xms40m -Xmx512m)

Table 1.2: A grey table

Here is a reference to listing 1.1.

Chapter 2

Conclusion and Outlook

Your text here ...

Acronyms

ABI application binary interface

ACL access control list

GUI graphical user interface

KISS keep it small and simple

MITM man-in-the-middle

OS operating system

UART universal asynchronous receiver/transmitter

UID unique identifier

Bibliography

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Batina, Lejla, Stefaan Seys, Dave Singelée, and Ingrid Verbauwhede (2012). "Hierarchical ECC-Based RFID Authentication Protocol". In: *Proceedings of the 7th International Conference on RFID Security and Privacy*. RFIDSec'11. Amherst, MA: Springer-Verlag, pp. 183–201. ISBN: 978-3-642-25285-3. DOI: 10.1007/978-3-642-25286-0_12. Available from: <http://dx.doi.org.acm.perm.fh-joanneum.at/10.1007/978-3-642-25286-0_12>.

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