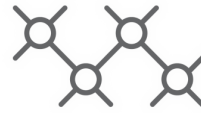




TECHNISCHE
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Institut für
Computertechnik
Institute of
Computer Technology

A MASTER THESIS ON

Title

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF

Diplom-Ingenieur

(Equivalent to Master of Science)

in

Field of Study (Study Code)

by

Author(s)' Name(s)

Student ID

Supervisor(s):

Supervisor's Name

Co-Supervisors's Name

Vienna, Austria

June 2020

Abstract

This is a general guideline on how to write an abstract. You start with one or two sentences providing a basic introduction to the field, comprehensible to a scientist in any discipline. Two to three sentences of more detailed background, comprehensible to scientists in related disciplines. One sentence clearly stating the general problem being addressed by this particular study. One sentence summarizing the main result (with the words “here we show” or their equivalent). Two or three sentences explaining what the main result reveals in direct comparison to what was thought to be the case previously, or how the main result adds to previous knowledge. One or two sentences to put the results into a more general context. Two or three sentences to provide a broader perspective, readily comprehensible to a scientist in any discipline, may be included in the first paragraph if the editor considers that the accessibility of the paper is significantly enhanced by their inclusion.

This text was taken from the “How to construct a Nature summary paragraph” available at <https://www.nature.com/documents/nature-summary-paragraph.pdf>

Kurzfassung

Die deutsche Fassung vom Abstract.

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You must include a preface if any part of your research was partly or wholly published in articles (or is submitted for publication), was part of a collaboration, or required the approval of Ethics Boards. The Preface must include the following:

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- A statement indicating the role and relative contribution of authors, emphasizing details of your contribution, and stating the proportion of research and writing conducted by you.
- The name of the particular Ethics Board, and the Certificate Number(s) of the Ethics Certificate(s) obtained, if ethics approval was required for the research.

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Vienna, Austria, June 2020

Author(s)' Name(s)

Acknowledgment

Dedication

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Acronyms

ACR Acronym. 2

ICT Institute of Computer Technology. xi, 2, 5

Chapter 1

Introduction

Here you see some simple examples of commonly used items.

1.1 Figures

This is how you insert a figure. To refer to a figure, for example Figure 1.1, you should use a `ref` command. Generally, using `cref` command (as used here too) is strongly advised since it can be used for figures, tables, equations, etc., and ensures consistency across the document and more importantly with various templates. Please remember that the caption of figures goes below the figure (whereas for tables the caption goes on the top). To ensure legibility of the figures, make sure the text in the figure is approximately as large as the figure caption or larger.

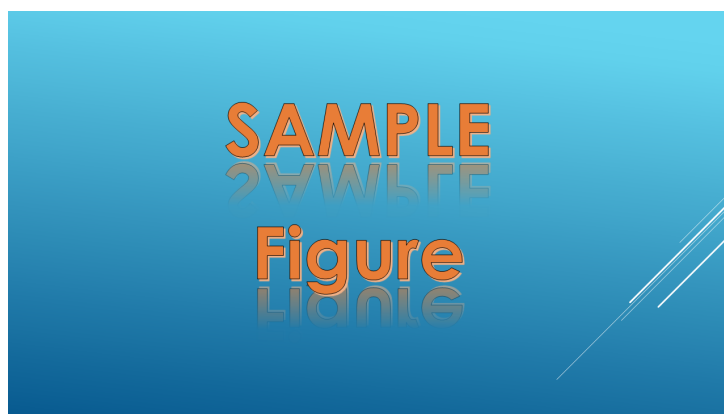


Figure 1.1: Here goes the caption for the figure.

Table 1.1: Caption of the table.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15

1.2 Tables

Table 1.1 shows how to insert and refer to a table. Please remember that the caption of tables goes on top and before the table (whereas for figures the caption goes at the bottom).

Often multicolumn, multirow cells, or footnotes¹ are not necessary, however, the sample in Table 1.2 facilitates using them if necessary. If your table is too large for the page, use the `adjustbox` command (currently commented out) in the source code of Table 1.1.

Table 1.2: A more complex table.

Multirow	Multicolumn			1
	2	3	4	5 ⁺
6	7	8	9	10
11	12 [*]	13	14	15

⁺ Percentage of improvement (Imp.) is calculated based on $n \rightarrow \infty$.

^{*} $c = 8$ for all calculated values.

1.3 How to refer to...

To refer to various items inside the current document, such as (sub)sections, figures, tables, equations, you should use `ref` commands (preferably `Cref` command) as demonstrated in Section 1.1. However, to refer to items outside the current document you should use citation commands. This is how you cite sources and references [1]. If you are citing a website/internet source make sure that you list the data of last access in the reference (bibfile entry of the reference). For example, Institute of Computer Technology (ICT) thesis and presentation templates can be found here [2]

Moreover, remember to use the `gls` command for all Acronyms (ACRs). By doing so, the compiler makes sure that any ACR (command for singular) and all ACRs (command for plural) are properly spelled out at their first appearance and only there. This way, by changing the text, adding, removing, or replacing parts, you don't need to find out where the first appearance of an ACR is to spell it out. In addition, using this command your acronym list is automatically compiled.

¹Footnotes for the body of text are inserted using the footnote command as you see here.

Bibliography

- [1] N. TaheriNejad, “Wearable medical devices: Challenges and self-aware solutions,” in *IEEE Life Sciences*, vol. 2, April 2019, pp. 5–6. [Online]. Available: <https://lifesciences.ieee.org/lifesciences-newsletter/2019/april-2019/wearable-medical-devices-challenges-and-self-aware-solutions/>
- [2] N. TaheriNejad, A. Jantsch, C. Krieg, , and M. Rathmair. (2018, Oct. 18) ICT presentation and thesis templates. [ICT Website]. Last Accessed: June 25, 2020. [Online]. Available: https://www.ict.tuwien.ac.at/downloads/soc_templates.zip

Appendix A

ICT Appendix

Here is an appendix chapter for the ICT template.