Your title: Optional subtitle. Leave blank, if unneeded

Dissertation

in order to obtain the doctoral degree
"Doctor rerum naturalium"
of the Georg-August-Universität Göttingen

in the Doctoral program
Ph.D. Programme in Computer Science (PCS) of
the Georg-August University School of Science (GAUSS)

submitted by
Your name

of Your home town, Wour country of origin
(place of birth)

Georg-August-Universität Göttingen
Göttingen, Germany
June 2018

— Document rendered on Monday 24th September, 2018 15:24 —Build #8 —Commit: #98cfd33 —

Thesis committee

Prof. No One,
Institute One

Prof. No Two,
Department Two

Prof. Three,
Group Three

Members of the examination board

First Reviewer: **Prof. A**,
Institute for A-Studies

Second Reviewer: **Prof. B**,
Whetever

Other members of the examination board

Prof. C,
I really don't want to invent stuff anymore

Prof. D,
Bli

Prof. E,
Bla

Prof. F,
Blubb

Date of the oral examination: XXth of Month, Year

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Abstract

Abstract goes here...

Contents

List of Acronyms

SEC Semantic Event Chain. 4

List of Figures

List of Tables

Acknowledgments

Thanks to everyone!

Thank you very much indeed!

Your name
Göttingen, 2018.

List of related publications

S. Reich, M. Seer, L. Berscheid, F. Wörgötter, and J. Braun. "Omnidirectional visual odometry for flying robots using low-power hardware". In: *Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISIGRAPP): Visapp*. Vol. 5. INSTICC. Funchal, Madeira (Portugal): SciTePress, Jan. 2018, pp. 499–507

Contributions

I supervised numerous Bachelor and Master students, who contributed work to Chapter **??**.

Student A finished her Master's Thesis in our lab in 2018. She worked on a frobicator, which bars foo. She contributed to [**paper1**, **paper2**]. Supervisor work:

1 Introduction

1.1. Towards a cool thesis

1.1.1. Citation

The template uses biber as backend. Via biblatex you can cite as:

- \cite{reichseerberscheid2018}: [1]
- \textcite{reichseerberscheid2018}: Reich et al. [1]
- \fullcite{reichseerberscheid2018}: S. Reich et al. "Omnidirectional visual odometry for flying robots using low-power hardware". In: *Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISIGRAPP): Visapp*. Vol. 5. INSTICC. Funchal, Madeira (Portugal): SciTePress, Jan. 2018, pp. 499–507
- All other biblatex citation commands.

The file frontmatter/publications.tex lists your related publications. Here, it is best to create two entries of your papers: One that you cite in your text. E.g. The study of [1] lacks a quantitative evaluation and should have never been accepted. In this wora,k it is shown that the method presented performs well on any arbitrary data set and outperform all current state-of-the art methods. Second, create a bibtex entry of your paper for your publications list. You can mark your name in bold text, add a doi-link in the title (or wherever), and show all

the authors. Please have a look at the provided example literature.bib and frontmatter/publications.tex files.

1.1.2. Figures, floats, and references

You can reference figures via Fig. 1.1. Fig. 1.1 is at the beginning of sentences. Use Tab. **??**, Tab. **??**, Eqn. (**??**), Eqn. (**??**), Sec. **??**, Sec. **??**, Chapter **??**, and Chapter **??** accordingly.

Figure 1.1.: Logo of University Göttingen (2)

2

Chapter 1

2.1. Little helpers

2.1.1. Outline

Use the outline to structure your sections, chapters, …before writing content:

Section Outline:
There is the free-text outline.

Section Outline:

- And of course, for convenience, the itemoutline.
- Use it as fits when structuring your thesis
- And later replace the bullet points with contents.

2.1.2. Comments

Use the comment environment to easily comment out larger sections of text.

2.1.3. Acronyms and Abbreviations

Use acronyms, demonstrate abbreviations... Semantic Event Chain (SEC).

In case you had quite some distance to the last use of an acronym or start a new chapter, you might want to reintroduce it. Use a reset for this and produce another reference to Semantic Event Chain (SEC).

To cope with the special handling of punctuation, you can help LaTeXwith the xpunctuate package, i.e., prevent extra spaces after 1. abbreviation dots which are misinterpreted as the end of the sentence etc. For example in etc. without the extra markup, which might produce extra space when the line is filled. 2. After inline enumerations, which might break the sentence-structure with the same over-wide spaces otherwise.

There is e.g., E.g., i.e. I.e., etc., and Etc. defined.

2.1.4. Notes

Notes are only visible in internaldraft mode. This additional mode exists to disambiguate to latex standard draft mode, which will replace pictures by rectangles. Additionally, a time stamp at the bottom helps to sort through revisions.

TODO: to be continued

Oh, something is wrong.

Citation needed

…You can add todo notes everywhere, Cite …here

2.2. Pre-Print Beautification

Only do this if you are sure that nothing changes anymore.

1. Solve all issues (notes, todos, etc.)
2. Compile without draft notes (otherwise the layout may change).
3. Check the positioning of all floats (e.g., figures and tables).

4. Make sure that there are no overfull hboxes. Indicate appropriate word-break positions or change the sentence.
5. Make sure that there are no single lines or section titles at the end of pages (or single lines at the start...) Use enlargethispage (on both sides of the double page!) to make things fit.
6. Now make sure that the toc looks nice by application of appropriate addtocontents lines.
7. When all pages are in position, do whatever beatifications you like, for example, apply a suitable style to empty pages before chapters.

Please consult the comments in definitions.tex, section Layout-Tuning, for further help to get figures and text aligned nicely before final printing.

3

Chapter 2

3.1. Class options

There are some class options available:

- internaldraft: Includes notes, remarks, and todos. Additionally date, build nummer, and commit nummer is appended to each page, making review a little easier.
- fulldocument: Includes front matter and end matter.
- printversion: Removes colors from hyperlinks
- showcompilenumber: Adds number of compiles to the bottom of internaldraft. The counter is increased using the provided Makefile. If you don't want to use make, you can disable the number here.
- showcommitnumber: Adds git commit to the bottom of internaldraft. The counter is increased using the provided Makefile. If you don't want to use make, you can disable the number here.

4

Conclusion and outlook

4.1. Conclusion and future work

You made it!

Bibliography

[1] S. Reich et al. "Omnidirectional visual odometry for flying robots using low-power hardware". In: *Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISIGRAPP): Visapp*. Vol. 5. INSTICC. Funchal, Madeira (Portugal): SciTePress, Jan. 2018, pp. 499–507.

A

Appendices

A.1. Source Code of Foo

…

Curriculum Vitae

Personal Information

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Education

2012 – 2018	Dr. rer. nat. Georg-August-Universität Göttingen, Germany Georg-August University School of Science (GAUSS), Ph.D. Programme in Computer Science (PCS) Thesis: *Your title* Advisors: Prof. A & Prof. B
2010 – 2012	Master of Science, Physics Georg-August-Universität Göttingen, Germany Faculty of Physics: Institute of Grade: 1.0, Thesis: *Title* Advisors: Prof. C & Prof. D

2010 – 2012	Bachelor of Science, Physics Georg-August-Universität Göttingen, Germany Faculty of Physics: Institute of Grade: 1.0, Thesis: *Title* Advisors: Prof. E & Prof. F
1997 – 2006	High School Schoolname, City, Germany Grade: 1.0, Diploma Classes: Sport, Religion, Art, French

Publications

2018 – 2006	Conference **S. Reich**, M. Seer, L. Berscheid, F. Wörgötter, and J. Braun. "Omnidirectional visual odometry for flying robots using low-power hardware". In: *Proceedings of the 13th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications (VISIGRAPP): Visapp*. Vol. 5. INSTICC. Funchal, Madeira (Portugal): SciTePress, Jan. 2018, pp. 499–507

Teaching

WS 2018/19	Class Introduction to Computer Vision and Robotics Georg-August-Universität Göttingen, Germany Topic: This class consists of 14 lectures of 90 minutes length. In 7 of these I taught about sensor, actuators and machine learning in a robotic environment. Advisors: Prof. Florentin Wörgötter

Other Information

Awards	2001 · Fields Medal
Languages	German · Mothertongue English · Very good Latin · Basic (simple words and phrases only)
Interests	Sleeping · Waking up

Notes