



UNIVERSITÀ DI PARMA

DEPARTMENT OF ENGINEERING AND ARCHITECTURE

MASTER OF SCIENCE IN COMMUNICATION ENGINEERING
(LAUREA MAGISTRALE)

TITLE OF THE THESIS

Advisor:

Name Surname

Co-Advisor:

Name Surname

Master Thesis of:

Name Surname

ACADEMIC YEAR 20xx/20yy

Table of Contents

Introduction	1
1 Good practices	3
1.1 Figures	3
1.2 Bibliography	3
1.3 PDF/A	4
2 Title of the second chapter	5
2.1 First section	5
2.1.1 First subsection	5
2.1.2 Another subsection	5
Conclusions	7
Bibliography	9
Acknowledgements	11

Introduction

In this thesis...

Chapter 1

Good practices

1.1 Figures

Figures are an *important* part of a thesis. Please, follow these general rules:

1. use a lossless format, such as the vector format **.eps**. If not possible, prefer **.png** to **.jpg**;
2. ensure that the **font size** of any text in the figure is at least as big as the font of the main text of the thesis;
3. do not forget to specify the **unit of measurements** when appropriate;
4. prepare graphics in the final aspect ratio to be used in the thesis;
5. ensure that all lines appearing in each graph are **distinguishable** when printing the thesis in black-and-white.

See Fig. 1.1 for an example.

1.2 Bibliography

Please follows the indications of IEEE at <https://ieeauthorcenter.ieee.org/> such as [1]. Some examples of citations:

1. journal/letter paper: [2]. For IEEE journals please use the appropriate abbreviations that can be found at the <https://ieeauthorcenter.ieee.org/> web site [3].
2. conference paper: [4]. Please note the *et al.*: you can use it with more than 3 authors.
3. Master thesis: [5]; Ph.D. thesis: [6].
4. book: [7].

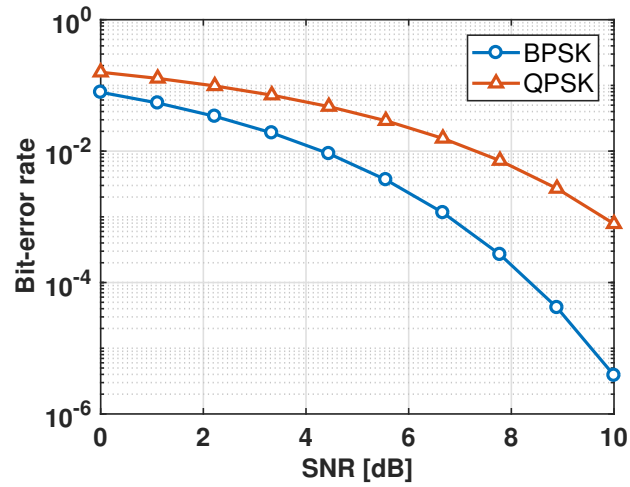


Figure 1.1: Example of a figure.

5. software: [8].

We suggest to organize your reference documents by a reference manager software. A list of possibilities can be found at [11]. You might also consider using BiBTeX to add your references to this document.

1.3 PDF/A

The thesis must be pdf/a compliant. However, the pdf produced by pdf_latex is not pdf/a compliant. There are several online tools to convert a pdf in a pdf/a file, e.g., [9]. You can check the PDF/A compliance with [10].

Chapter 2

Title of the second chapter

Brief intro to this chapter.

2.1 First section

2.1.1 First subsection

...

2.1.2 Another subsection

...

Conclusions

In this thesis...

Bibliography

- [1] *IEEE reference guide*, <http://journals.ieeeauthorcenter.ieee.org/create-your-ieee-journal-article/create-the-text-of-your-article/ieee-editorial-style-manual/ieee-reference-guide/>, IEEE periodicals, 2018, (accessed February 28, 2020).
- [2] R. Hui, M. O’Sullivan, A. Robinson, and M. Taylor, “Modulation instability and its impact in multispan optical amplified IM-DD systems: Theory and experiments,” *J. Lightw. Technol.*, vol. 15, no. 7, pp. 1071–1082, Jul. 1997.
- [3] *IEEE Journal Titles and Abbreviations*, <http://journals.ieeeauthorcenter.ieee.org/create-your-ieee-journal-article/create-the-text-of-your-article/ieee-editorial-style-manual/journal-titles-and-abbreviations/>, (accessed February 28, 2020).
- [4] X. Zhou *et al.*, “Flexible transceivers: Extracting more capacity from elastic meshed optical networks,” in *Proc. Asia Comm. Photon. Conf.*, Guangzhou, China, Nov. 2017, Paper S4C.1.
- [5] N. C. Loh, “High-resolution micro-machined interferometric accelerometer,” Master’s thesis, Massachusetts Institute of Technology, Cambridge, 1992.
- [6] Q. Li, “Delay characterization and performance control of wide-area networks,” Ph.D. dissertation, Univ. of Delaware, Newark, May 2000. [Online]. Available: <http://www.ece.udel.edu/qli>.
- [7] A. Leon-Garcia, *Probability, Statistics, and Random Processes for Electrical Engineering*, 3rd ed. Englewood Cliffs, NJ, USA: Prentice-Hall, 2008.
- [8] M. Kuhn. *The Caret Package*. (2012). [Online]. Available: <http://cranr-project.org/web/packages/caret/caret.pdf>.
- [9] Online PDF/a converter. [Online]. Available: <https://www.ilovepdf.com/it/pdf-in-pdf-a>.
- [10] Online PDF/a checker. [Online]. Available: <https://www.pdfen.com/pdf-a-validator>.

- [11] Wikipedia contributors, "Comparison of reference management software," Wikipedia, The Free Encyclopedia, https://en.wikipedia.org/wiki/Comparison_of_reference_management_software (accessed February 28, 2020).

Acknowledgements

...