

UNIVERSITÁ DI PISA

DOTTORATO DI RICERCA IN INGEGNERIA DELL’INFORMAZIONE

TITLE

DOCTORAL THESIS

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The Coordinator of the PhD Program

**Prof. Marco Luise**

Pisa, Month Year Cycle

This thesis is dedicated to....

"A few first rate research papers are preferable to a large number

that are poorly conceived or half-finished. The latter are no credit to their writers and a waste of time to their readers"

Claude Shannon

# Acknowledgements

A

CKNOWLEDGEMENTS goes here.

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# Ringraziamenti

R

INGRAZIAMENTI

III

# Summary

S

UMMARY goes here

V

# Sommario

S

OMMARIO va qui

VII

# List of publications

## International Journals

1. Surname, N., Surname, N. and Surname, N. (Year,Month). Title of the paper or journal. *Place of publication*. (Vol. 123, pp. 456). EditorName.

## International Conferences/Workshops with Peer Review

1. Surname, N., Surname, N. and Surname, N. (Year,Month). Title of the paper or journal. *Place of publication*. (Vol. 123, pp. 456). EditorName.

## Others

1. Surname, N., Surname, N. and Surname, N. (Year,Month). Title of the paper or journal. *Place of publication*. (Vol. 123, pp. 456). EditorName.

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# List of Abbreviations

**F**

FPS Frame per Second. 2

**S**

SNR Signal to Noise Ratio. 2

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# Notation

**Symbols**

*H*∗ Conjugate operation. 2

[*x*]T transpose operator. 2

⌊*x*⌋ round to the lower integer of *x*. 2

x vectors are in bold. 2

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CHAPTER

*1*

# Title chapter 1

## Introduction

Remember that wherever you want you can cite with \cite{a1} [[1],](#_bookmark15) [[2]](#_bookmark16) and/or [[3]](#_bookmark17) someone. Or use \footnote{That’s a footnote} like this[1](#_bookmark9)

## New section

You can insert a definition

Definition 1.2.1. *Unipi: Universitá di Pisa*

## Another section

* + 1. And a subsection

In this sub section I will include many images just to make the list of figures meaningful.

## New section

* + 1. And also many sub

Or again more nested

* + - * item 1
      * item 2
      * item 3

1That’s a footnote

1

**Chapter 1. Title chapter 1**



Figure 1.1: *Caption of this Unipi image.*

## New section

This is an example of table. You can see it in Table [1.1.](#_bookmark11)

Table 1.1: *Table caption*

|  |  |  |
| --- | --- | --- |
| Col 1  Dim C.1 | Col 2  Dim C.3 | Col2  Dim C.3 |
| Data 1.1 | Data 1.2 | Data 1.3 |
| Data 2.1 | Data 2.2 | Data 2.3 |
| Data 3.1 | Data 3.2 | Data 3.3 |

## You can do as many section as you want

The following equation has been created using $$: *y*1 = *a* ∗ *x* + *b*. This is a more complex equation:

, created using \[ \]

*y*2 = *a* ∗ *x* + *b*

This is, [(1.1),](#_bookmark13) an enumerated equation:

, created using:

*y*3 = *a* ∗ *x* + *b* (1.1)

\begin{equation}\label{eq:eeq1} y\_3 = a\*x + b

\end{equation}

It is also possible to insert acronyms, after definition in *Acronyms* file, like FPS which stands for Frame per Second or SNR which stands for Signal to Noise Ratio. Please define the notation at the beginning, defining operators and symbols in *Notation*

file, such as *H*∗, [*x*]T, x, ⌊*x*⌋.

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# Bibliography

[1] Author1, Author2. Title article 1. *Journal*, 1(1):1–10, 1000.

[2] Author1, Author2. *Title Book 1*. Publisher, 1000.

[3] Author1, Author2. *Title Manual 1*. Organization, e.g University, 1000. available online at http://www.microlab- mi.net.

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