



**POLITECNICO**  
MILANO 1863

Dipartimento di Elettronica, Informazione e Bioingegneria  
Master Degree in Computer Science and Engineering

# Thesis Title

and its subtitle

by:  
Name Surname

matr.:  
XXXXXX

Supervisor:

Co-supervisor:

Academic Year  
20XX-20XX



# Abstract

This is the abstract of the thesis. It should be  $\approx 500$  words long and it must explain what is the context and the content of the thesis. What is the addressed problem? Briefly summarize the proposed methodology/algorithm along with the main advantages and motivations. Add a sentence about the achieved results and future works.



# Ringraziamenti

This thesis is the result of almost a year of work at the Image and Sound Processing Lab. First I would thank my supervisor...

Thanks to friends.

Thanks to family.

*N.S.*



# Contents

<b>Abstract</b>	<b>i</b>
<b>Ringraziamenti</b>	<b>iii</b>
<b>List of Figures</b>	<b>vii</b>
<b>List of Tables</b>	<b>ix</b>
<b>Introduction</b>	<b>xi</b>
<b>1 State of the Art</b>	<b>1</b>
1.1 Some different sections . . . . .	1
1.2 Conclusive Remarks . . . . .	1
<b>2 Theoretical Background</b>	<b>3</b>
2.1 Some different sections . . . . .	3
2.2 Remarks . . . . .	3
<b>3 Acoustic Scene Analysis and Manipulation</b>	<b>5</b>
3.1 Some different sections . . . . .	5
3.2 Conclusive Remarks . . . . .	5
<b>4 Simulations and Tests</b>	<b>7</b>
4.1 Evaluation Metrics . . . . .	7
4.2 Simulations . . . . .	7
4.3 Experiments . . . . .	7
4.4 Conclusive Remarks . . . . .	7

<b>5</b>	<b>Conclusions and Future Works</b>	<b>9</b>
5.1	Future Works . . . . .	9
	<b>Appendices</b>	<b>11</b>
A	Equipment 1 . . . . .	11
B	Proofs of Mathematical Theories1 . . . . .	11



# List of Figures



# List of Tables



# Introduction

This thesis is organized as follows.



# 1

## State of the Art

This chapter introduces the models

### **1.1 Some different sections**

### **1.2 Conclusive Remarks**

In this chapter we introduce the main issues ...





# 2

## Theoretical Background

This chapter introduces the readers to...

### **2.1 Some different sections**

### **2.2 Remarks**



# 3

## Acoustic Scene Analysis and Manipulation

In this chapter we present...

Then...

Finally ...

**3.1 Some different sections**

**3.2 Conclusive Remarks**



# 4

## Simulations and Tests

In this chapter we validate...

### **4.1 Evaluation Metrics**

### **4.2 Simulations**

### **4.3 Experiments**

### **4.4 Conclusive Remarks**

In this chapter we have evaluated the proposed methodology through simulations and experiments.



# 5

## Conclusions and Future Works

This work of thesis proposes a methodology for...

The devised methodology is based on...

The main advantages are...

As far as the experiments are concerned...

The proposed approach has shown promising results both in simulation and in the experiments.

### 5.1 Future Works

**Generalization** We would like to generalize...

**Challenging scenarios** Another possible improvement is related to the extension of the proposed approach to...

**Different approaches** Finally we are moving towards a deeper analysis of...





# My Appendices

**A   Equipment 1**

**B   Proofs of Mathematical Theories1**



# Bibliography