## A Very Fancy Title

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### Abstract

Abstract of the thesis goes here...

# Sammanfattning

Abstract (in Swedish) of the thesis goes here...

# Acknowledgment

I thank myself for writing this nice thesis  $\dots$ 

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## Chapter 1

## Introduction

### 1.1 Motivation

Motivation...

### Chapter 2

## Background

In this chapter we provide a brief discussion of the essential background needed throughout the thesis. See e.g., [1].

#### 2.1 Topic A

#### 2.1.1 Topic A.1

System model is shown in Figure 2.1



Figure 2.1: The Basic communication model.

## Chapter 3

# Conclusions and Future Work

## Bibliography

[1] Thomas M. Cover and Joy A. Thomas. *Elements of Information Theory 2nd Edition*. Wiley Series in Telecommunications and Signal Processing. Wiley-Interscience, July 2006.