University of Verona
Department of Computer Science
Laurea Magistrale Degree in Computer Science and Engineering

Automatic detection of Freezing of Gait in patients with Parkinson's Disease

Candidate
Fuser Alessandro

Supervisor
Graziano Pravadelli

Assistant Supervisor
Florenc Demrozi

Degree Session of 19 July 2018
Academic year 2017/2018

Abstract

Acknowledgements

Contents

Acknowledgements **v**

1 Introduction **1**
1.1 Thesis Contribution 1
1.2 Outline 1

2 Related Works **3**

3 Background **5**

4 Motivations and Goals **7**

5 Self-adaptive TLM model **9**

6 Software Implementation **11**

7 Case Studies **13**

8 Conclusions and Future Work **15**

Bibliography **17**

List of Figures

Chapter 1

Introduction

Thesis Contribution

In this thesis, we have developed a methodology

Outline

The rest of the thesis is organized as follows: Chapter 2

Chapter 2

Related Works

Chapter 3

Background

Chapter 4

Motivations and Goals

Chapter 5

Automatic generation of a self-adaptive TLM model

qui ci va la spiegaxione del tuo lavoro

Chapter 6

Software Implementation of the proposed metodology

qui invece ci puoi mettere a livello implementativo il tuo lavoro

Chapter 7

Case Studies

Chapter 8

Conclusions and Future Work

This thesis proposes a methodology

Bibliography

Acronyms

CTL	Computation Tree Logic
EFSM	Extended Finite State Machine
LTL	Linear Temporal Logic
PSL	Property Specification Language
DUV	design under verification
RTL	register transfer level
TLM	Transaction Level Modelling
AT	Approximately Timed
LT	Loosely Timed
UT	Untimed TLM
CA	Cycle Accurate
M^I_{TLM}	TLM Initiator Model
M^T_{TLM}	TLM Target Model
M^T_{RTL}	RTL Target Model