UNIVERSITAT JAUME I

Development of a distributed system for real time traffic analysis using agents

by

Pablo Jiménez Mateo

A thesis submitted in partial fulfillment for the
degree of Master in Intelligent Systems

in the
Escola Superior de Tecnologia i Ciències Experimentals
Department of computer engineering

November 8, 2016

Declaration of Authorship

I, Pablo Jiménez Mateo, declare that this thesis titled, 'Development of a distributed system for real time traffic analysis using agents' and the work presented in it are my own. I confirm that:

- This work was done wholly or mainly while in candidature for a master degree at this University.
- Where any part of this thesis has previously been submitted for a degree or any other qualification at this University or any other institution, this has been clearly stated.
- Where I have consulted the published work of others, this is always clearly attributed.
- Where I have quoted from the work of others, the source is always given. With the exception of such quotations, this thesis is entirely my own work.
- I have acknowledged all main sources of help.
- Where the thesis is based on work done by myself jointly with others, I have made clear exactly what was done by others and what I have contributed myself.

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"Write a funny quote here."

If the quote is taken from someone, their name goes here

UNIVERSITAT JAUME I

Abstract

Escola Superior de Tecnologia i Ciències Experimentals
Department of computer engineering

Master in Intelligent Systems

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The Thesis Abstract is written here (and usually kept to just this page). The page is kept centered vertically so can expand into the blank space above the title too...

Acknowledgements

The acknowledgements and the people to thank go here, don't forget to include your project advisor...

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Abbreviations

LAH **L**ist **A**bbreviations **H**ere

For/Dedicated to/To my...

Chapter 1

Introduction

In this first chapter, the motivation of the project and its main objectives are stated. After that the time planification, employed technologies and the structure of the rest of the thesis are presented.

1.1 Motivation

Nowadays, with the penetration of new technologies such as smartphones and self driving cars, it is possible to share information about the state of the traffic on the transportation networks. This is very useful to have real time path finding algorithms that avoid congestion.

Furthermore, vehicle to vehicle and vehicle to infrastructure communications has been researched for a long time[1] and is still being researched nowadays [2], and this is a direct application of it.

This kind of technology can also be used as a surveillance technique, and this is one of the biggest concerns about it.

1.1.1 A Subsection

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Appendix A

An Appendix

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