

TECHNICAL UNIVERSITY OF CRETE

DIPLOMA THESIS

Design and Implementation of a Low Cost Embedded System for Localization of Drones Flying in Swarms

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TECHNICAL UNIVERSITY OF CRETE

Abstract

School of Electrical and Computer Engineering

Electrical and Computer Engineer

**Design and Implementation of a Low Cost Embedded System for
Localization of Drones Flying in Swarms**

by Christos SPYRIDAKIS

TODO: Add Abstract ...

Acknowledgements

TODO: Add Acknowledgements

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Physical Constants

Speed of Light $c_0 = 2.997\,924\,58 \times 10^8 \text{ m s}^{-1}$ (exact)

List of Symbols

a	distance	m
ω	angular frequency	rad

List of Abbreviations

MCU MicroController Unit
MPU MicroProcessor Unit

*Dedicated to those people who have helped me be the
person I am today...*

Chapter 1

Introduction

TODO

1.1 Motivation

TODO

1.2 Scientific Goals and Contributions

TODO

1.3 Thesis Outline

TODO

- Chapter 2 - Theoretical Background:
- Chapter 3 - Related Work:
- Chapter 4 - Design Features and Implementation:
- Chapter 5 - Applications and Usage Examples:
- Chapter 6 - Experiments and Results:
- Chapter 7 - Conclusions and Future Work:

Chapter 2

Theoretical Background

"Let no one ignorant of
geometry enter"

Plato

Chapter 3

Related Work

3.1 Thesis Approach

This should be the last section

Chapter 4

Design Features and Implementation

”

Chapter 5

Applications and Usage Examples

Chapter 6

Experiments and Results

Chapter 7

Conclusions and Future Work

