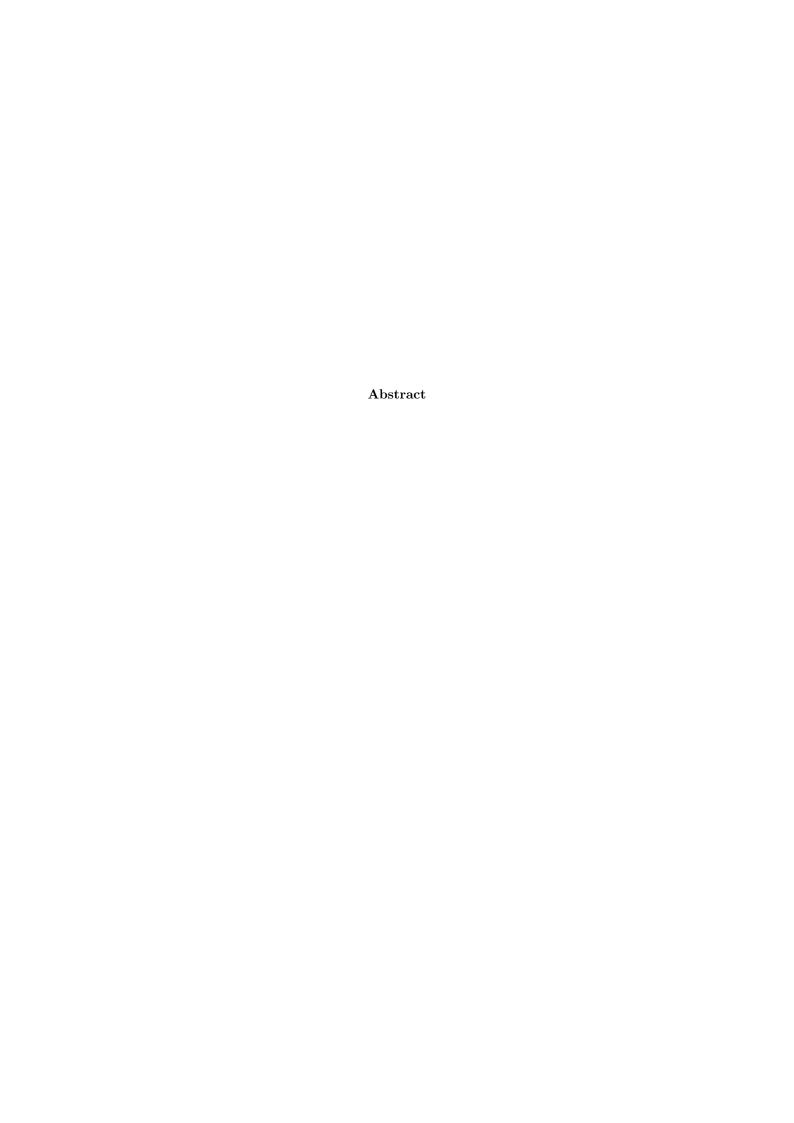
## Analysis and development of a Battery Management System for agricultural field robots

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December 8, 2014



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### Preface

## $\begin{array}{c} {\rm Part\ I} \\ {\bf Introduction} \end{array}$

# Part II Analysis

## Introduction

## System requirements

## **Preliminary Tests**

- 3.1 Power Consumption Test
- 3.1.1 Introduction
- 3.1.2 Test description
- 3.1.3 Results
- 3.1.4 Discussion
- 3.1.5 Conclusion

## Powertrain Analysis

## **Battery Selection**

- 5.1 Introduction
- 5.2 Types of batteries
- 5.3 Choice of battery type
- 5.4 Conclusion

## Battery Management System

- 6.1 Introduction
- 6.2 Types of Battery Management Systems
- 6.3 Choice of Battery Management System
- 6.4 Conclusion

## Hardware Requirements

## Preliminary Battery Management System

- 8.1 Introduction
- 8.2 Design
- 8.3 Results
- 8.4 Discussion
- 8.5 Conclusion

## Safety requirements

## Part III Design and Development

## Introduction

## Part IV Conclusion