

**The Hong Kong Polytechnic University**

**Department of Computing**

**Thesis Title**

*Thesis Author*

**A thesis  
submitted in partial fulfilment of the requirements  
for the degree of**

**Doctor of Philosophy**

**March 2014**



# CERTIFICATE OF ORIGINALITY

I hereby declare that this thesis is my own work and that, to the best of my knowledge and belief, it reproduces no material previously published or written, nor material that has been accepted for the award of any other degree or diploma, except where due acknowledgement has been made in the text.

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(Signed)

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Thesis Author (Name of student)



# Abstract

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# Acknowledgement

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# Introduction

” *"Mens cujusque is est Quisque" – "Mind  
Makes the Man"*

— **Samuel Pepys**

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## 1.1 Introduction of General

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## 1.2 Current

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## 1.3 Proposed

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## 1.4 Thesis Structure

### Chapter 2

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#### **Chapter 4**

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## 2.1 System

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## 2.2 Feature Extraction

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” *Innovation distinguishes between a leader and a follower.*

— **Steve Jobs**  
(CEO Apple Inc.)

## 3.1 Introduction



**Fig. 3.1:** Figure example: (a) example part one, (c) example part two; (c) example part three

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**Fig. 3.2:** Another Figure example: (a) example part one, (c) example part two; (c) example part three

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## 3.2 System Design

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## 3.3 Demo System

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## 3.4 Calibration

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## 3.5 Conclusion

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# Feature Extraction

“Users do not care about what is inside the box, as long as the box does what they need done.

— Jef Raskin

about Human Computer Interfaces

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## 4.1 Introduction

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## 4.2 Related Work

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## 4.3 Method

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## 4.4 Experimental Results

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## 4.5 Summary

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# Conclusions

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## 6.1 Section 1

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## 6.2 Section 2

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## 6.3 Future Work

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