

**Thesis Title**

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Thesis submitted in partial fulfillment of the requirements for the

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UNIVERSITY OF CRETE  
COMPUTER SCIENCE DEPARTMENT

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**Author Name**  
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Heraklion, December 2012



## Abstract

In this work ...



## Περίληψη

Στην εργασία αυτή ...





## Acknowledgements

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# Chapter 1

## Introduction

We present an implementation of the future programming model for distributed memory, using MPI-2's one-sided communication.

### 1.1 Motivation

### 1.2 Background

stuff about mpi one sided comm

### 1.3 Methodology

### 1.4 Other section

### 1.5 Related Work





## Chapter 2

# Design and Implementation

We have implemented the distributed futures using the one-sided mpi library.

### **2.1 MPI one-sided communication**

maybe should go to the intro

### **2.2 Futures Interface**

### **2.3 Communication**

### **2.4 Memory allocation**

### **2.5 Scheduler**



## Chapter 3

# Methodology

General discussion . . .

**3.1**    **AA**

**3.2**    **BB**

**3.3**    **CC**

**3.4**    **DD**

**3.5**    **EE**

**3.6**    **FF**



## Chapter 4

# Evaluation

General discussion . . .

4.1 AA

4.2 BB

4.3 CC

4.4 DD

4.5 EE

4.6 FF



## Chapter 5

# Comparison

Compare your work . . .

**5.1   AA**

**5.2   BB**

**5.3   CC**

**5.4   DD**

**5.5   EE**

**5.6   FF**





## Chapter 6

# Conclusions and Future Work