

CITY UNIVERSITY OF HONG KONG

香港城市大學

**Alignment and Operation for Microassembly based
on Microscopic Vision and Force Information**

基於顯微視覺與力信息的微裝配對準與操作

Submitted to

Department of Mechanical and Biomedical Engineering

機械與生物醫學工程系

**In Partial Fulfillment of the Requirements
For the Degree of Doctor of Philosophy**

哲學博士學位

By

LIU Song

劉松

May 2017

二零一七年五月