

# Jin-Hwa (Joey) Chiu

E-mail: jkmemo2013@gmail.com | Phone:+886-921120165

## EDUCATION

### M.S. Mechanical Engineering | National Chiao Tung University (NCTU) | Hsinchu, Taiwan 2013-Feb.2016

Relevant courses: Finite Element Methods, Signals and Systems, Design of Innovation and Design Around, Reliability Engineering ,Surface Science and Engineering, Variational Mechanics, Mechanics of Composite Materials, Introduction to Computers and Programming

### B.S. Mechanical Engineering | National Chiao Tung University (NCTU) | Hsinchu, Taiwan 2009-2013

Relevant courses: Intermediate Mechanic of Materials, Automatic Control, Energy Technology, Computer Programming

## SKILLS

### Computer Skills

- Proficiency in programming languages & statistical data processing software - Python, Django, C, Excel
- Web Design by Django framework, Bootstrap (HTML5, CCS3, Bootstrap)
- Proficiency in engineering graphic data presentation software - Solidworks, ProE
- Proficiency in structural and mechanical analysis software - ANSYS Mechanical, APDL, ABAQUS
- Proficiency in fluidic analysis software - FLUENT, CFX, ICEM CFD

### Languages

- Mandarin (mother tongue)
- English (TOEFL IBT: Total 89)

## EXPERIENCE

### Engineer at R&D Production Center, TSMC

09/2016-Present

- Develop a Defect image recognition by Machine Learning
- Enrolled in Machine Learning Training Program
- Monitor and maintain N7/5/3 STI/IMD/ILD CMP by EBARA's equipment system
- Analyze the process ability(SPC,FDC,ECS) and the wafer defect
- Improve the process stability by altering the equipment construction

### Mechanical R&D Engineer, ASUSTek COMPUTER INC

07/2016-08/2016

- Designd shielding frames of ZenFone3(ZE520KL)

### Cooperative Postgraduate, Institute of Physics, Academia Sinica

12/2013-12/2014

- Studied mechanics of the biochemical material and fabrication of Hydrogel spheres by Microchannels
- Assisted in constructing and designing equipment components with visiting scholars and research assistant

### Product Designer, Healing Science and Creativity Contest of University System of Taiwan

12/2012-11/2013

- Designed the product appearance and mechanism of our new technology bracelet by Solidworks software
- Simulated the drop test in ABAQUS and ANSYS Mechanical

### Participant, Young Entrepreneurs of the Future - YEF

02/2013-08/2013

- Organized a business model with various background teammates to earn venture capital
- Studied medical healthcare business projects to perform a marketing project

### Table-Tennis Athlete, Varsity Table-Tennis Team of NCTU

09/2009-06/2012

- Represented NCTU to attend several table-tennis competitions in Taiwan

## RESEARCH PROJECTS

### Torque Analysis of Darrieus Vertical Axis Wind Turbine with Wind Guiding Panels

01/2015-02/2016

- Used FLUENT software to analyze the lift/drag force of airfoil by fluid simulation
- Designed a new Darrieus Vertical Axis Wind Turbine with wind guiding panels by Solidworks
- Analyzed torque of the Darrieus Vertical Axis Wind Turbine by changing relative angle of incoming wind

### Fabrication of Uniform Hydrogel Spheres by Microfluidic Channels

07/2014-12/2014

- Create a method of abundantly fabricating hydrogel spheres with uniform size
- Construct a 3D tissue scaffold by hydrogel spheres

### Measurement of Mechanical Properties of Gelatin Standard Samples

02/2014-08/2014

- Establish a standard procedure of measuring Young's and Storage modulus of a standard gelatin samples

## **AWARDS**

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- Second prize, Healing Science and Creativity Contest of University System of Taiwan 11/2013
- Certificate, YEF Entrepreneurial Workshops 08/2011

## **LEADERSHIP**

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- Vice-President**, Mechanical Engineering Department Table-Tennis Team of NCTU 2011-2013
- Organized various training programs for team members

國立交通大學學生歷年成績表

列印日期：105.4.20

頁次：1 / 1

學號:0251065 姓名:邱敬驛 系所:機械工程學系 碩士班

選 課 別	科 目	上學期		下學期		選 課 別	科 目	上學期		下學期	
		學 分	成績	學 分	成績			學 分	成績	學 分	成績
	<b>抵免科目</b>										
選	複合材料力學	3.00	TR								
選	彈性力學	3.00	TR								
	<b>102學年度(102年9月至103年6月)</b>										
必	書報討論（一）	0.00	85								
選	創意設計與專利突破	3.00	90								
選	有限元素法	3.00	88								
選	電漿實驗與實驗設計方法	3.00	82								
選	訊號與系統	3.00	82								
必	書報討論（二）		0.00	85							
選	可靠度工程		3.00	94							
選	表面科學及工程		3.00	82							
選	變分學在固力之應用#		3.00	78							
操	行		82	82							
學	期實得學分及平均成績	12.0	85.50	9.00	84.67						
學	期修習學分	12.0		9.00							
	<b>103學年度(103年9月至104年6月)</b>										
必	書報討論（一）	0.00	80								
必	書報討論（二）		0.00	80							
選	英文作文		3.00	91							
操	行		82	85							
學	期實得學分及平均成績	0.00	----	3.00	91.00						
學	期修習學分	0.00		3.00							
	<b>104學年度(104年9月至105年6月)</b>										
X	資料結構	3.00	W								
X	計算機概論與程式設計	3.00	75								
修	習論文研究										
操	行		85	85							
學	期實得學分及平均成績	0.00	----	0.00	----						
學	期修習學分	0.00		0.00							
	<b>累計30.00學分</b>										
	<b>學業平均成績85.88</b>										
	學位考試通過日期：2016年2月19日										
	論文名稱：新型具導風板打蛋型垂直軸風力機之扭力分析										
	學位考試成績90										
	畢業成績87.94										



成績欄說明：TR抵免；I成績未送達；\*不及格；P Pass；F Fail；W期末前退選；#英語授課 8塊外修習課程  
※暑修成績不併計於學期成績，惟計於畢業成績。

國立交通大學學生歷年成績表

列印日期：105.3.28

頁次：1 / 1

學號:9814060 姓名:邱敬驛 系所:機械工程學系 學士班

選 課 別	科 目	上學期		下學期		選 課 別	科 目	上學期		下學期	
		學 分	成績	學 分	成績			學 分	成績	學 分	
<b>98學年度(98年9月至99年6月)</b>											
必	微積分B (一)	4.00	71			必	物理(二)	4.00	61		
必	物理(一)榮譽班	4.00	75			必	自動控制 (一)	3.00	88		
必	化學	3.00	60			必	計算機程式	3.00	79		
必	計算機概論	3.00	69			必	流體力學	3.00	69		
必	化學實驗	1.00	78			必	機械設計原理 (一) #	3.00	75		
必	物理實驗(一)	1.00	65			必	電工實驗	1.00	72		
必	藝文賞析教育(一)	0.00	P			必	機械工程實驗 (一)	1.00	73		
必	服務學習(一)	0.00	89			選	應用電子學	3.00	81		
選	物理一(榮譽班)作業演算	0.00	75			通	邏輯與思維	2.00	72		
通	中國與東亞文明史	2.00	*40			通	現代藝術	2.00	80		
外	英文會話	2.00	68			體	體育—桌球校隊(男)	0.00	90		
體	大一體育	0.00	78			必	熱傳學			3.00	74
必	微積分B (二)		4.00	72		必	機械工程實驗 (二)			1.00	87
必	物理(二)榮譽班		4.00	*46		選	能源科技			3.00	90
必	應用力學 (一)		3.00	84		選	熱力學 (二)			3.00	71
必	圖學 (一)		1.00	67		選	大學部專題 (一)			1.00	90
必	機械工程概論		1.00	85		外	媒體與英文學習			2.00	83
必	物理實驗(二)		1.00	74		體	體育—桌球校隊(男)			0.00	*50
必	藝文賞析教育(二)		0.00	P		研	複合材料力學#			3.00	78
必	服務學習(二)		0.00	90		操	操作			82	82
通	當代世界:跨國社會與經濟議題		2.00	65				學期實得學分及平均成績	25.0	74.76	16.0
外	英文聽力訓練		2.00	83				學期修習學分	25.0	16.0	80.13
體	體育—桌球校隊(男)		0.00	92							
操	操作		82	82							
	學期實得學分及平均成績	18.0	66.50	14.0	69.22						
	學期修習學分	20.0		18.0							
<b>99學年度(99年9月至100年6月)</b>											
必	工程材料	3.00	69			選	電動機械	3.00	75		
必	工程數學 (一)	3.00	91			通	日本現勢	2.00	74		
必	材料力學	3.00	68			通	體育—桌球校隊(男)	0.00	85		
必	機動學	3.00	60			研	彈性力學#	3.00	75		
必	熱力學 (一)	3.00	78			研	冷凍空調	3.00	62		
必	工場實習	2.00	84			選	振動學			3.00	82
通	永續發展導論-服務學習二	2.00	W			通	文化創意產業			2.00	76
通	交通安全與生命教育	2.00	75			通	西洋音樂基礎理論與習作			2.00	70
通	網路文學	2.00	75			通	智慧財產權法			2.00	70
體	體育—桌球校隊(男)	0.00	90			體	體育—桌球校隊(男)			0.00	86
必	應用力學 (二)		3.00	89		研	波動力學			3.00	W
必	電工學		3.00	73		操	操作			82	82
必	工程數學 (二)		3.00	83				學期實得學分及平均成績	11.0	71.27	9.00
必	機械製造#		3.00	65				學期修習學分	11.0	9.00	75.33
選	中等材料力學		3.00	94							
通	歐洲文化導論		2.00	72							
通	光電科技概論		2.00	75							
通	建築概論		2.00	83							
體	體育—桌球校隊(男)		0.00	90							
操	操作		82	82							
	學期實得學分及平均成績	21.0	74.57	21.0	79.62						
	學期修習學分	21.0		21.0							
<b>100學年度(100年9月至101年6月)</b>											
累計135.00學分 ↑ 畢業成績73.95 85 											

成績欄說明：TR抵免；I成績未送達；\*不及格；P Pass；F Fail；W期末前退選；#英語授課 CREDIT FOR ENGLISH COURSE  
※暑修成績不併計於學期成績，惟計於畢業成績。



# **Torque Analysis of Darrieus Vertical Axis Wind Turbine with Wind Guiding Panels**

Student : Jin-Hwa Chiu

Advisor : Dr. Tai-Yan Kam

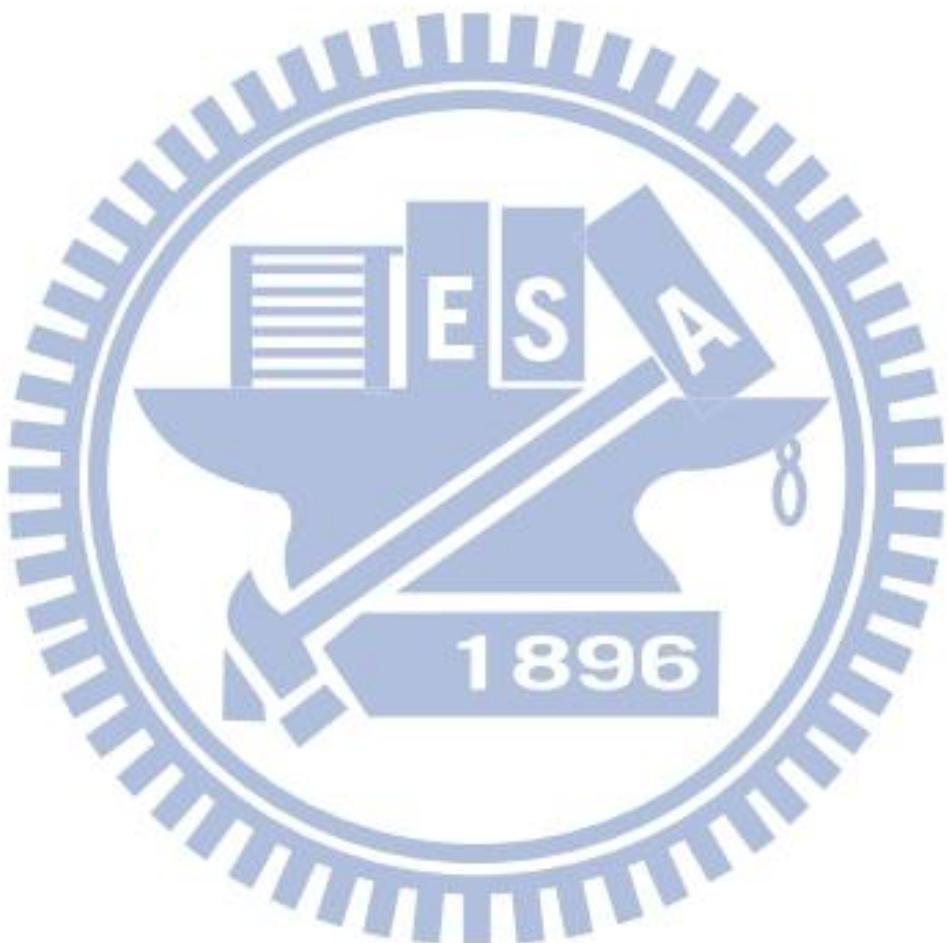
Department of Mechanical Engineering

National Chiao Tung University

## **ABSTRACT**

In this thesis, the rotational torques of several wind turbines used for wind power generation are simulated using different aerodynamic methods. Based on the above results, a new design of a Darrieus vertical axis wind turbine (VAWT) is developed. The proposed new Darrieus VAWT which has movable wind guiding panels can possess lower cut in wind speed and higher rotational speed during operation when compared with the traditional one. The simulation results has shown that the wind guiding panels with slant angles of 5 degree at the location angles of 90, 60, and 30 degrees can increase the average torques by 6.9%, 14.7% and 18.4%, respectively at wind velocity 10 m/s. In experimental study, a scaling down model of the wind turbine determined in a dimensional analysis is fabricated through 3D printing. In the wind tunnel experiment, it has been shown that the wind guiding panels can lower the startup wind velocity by 6.2% in comparison with the original one and raise the rotation speed

13.4% at wind velocity 11 m/s. In testing the mobility of the wind guiding panels, it has been demonstrated that the wind guiding panels with a tail design can always face the incoming wind from any direction.





國立交通大學

# The Fabrication of Uniform Hydrogel Spheres by Microfluidic Channels

Student: Jin-Hwa Chiu

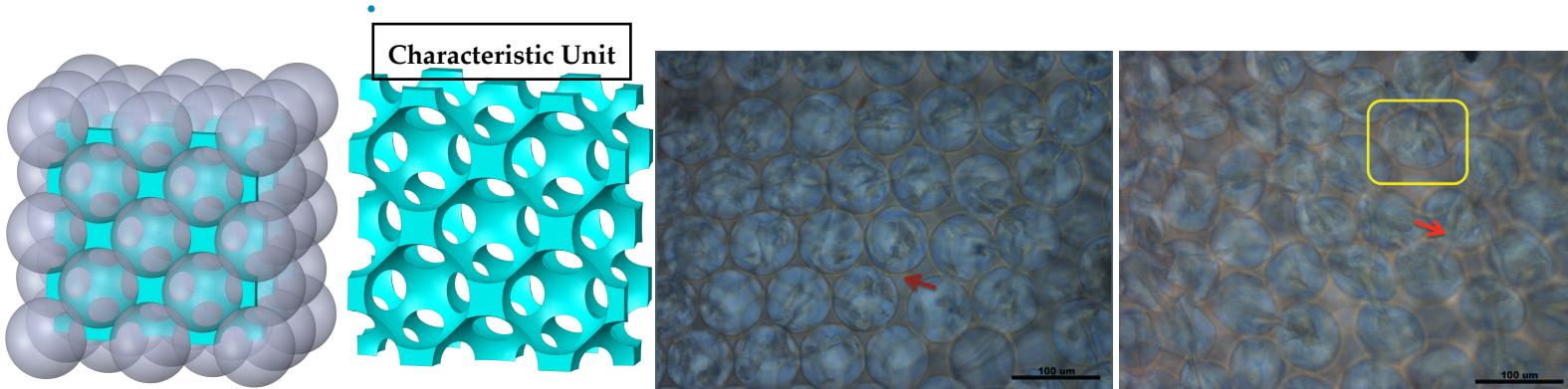
Advisors: Dr. Keng-Hui Lin; Dr. Wen-Yea Jang

## Propose :

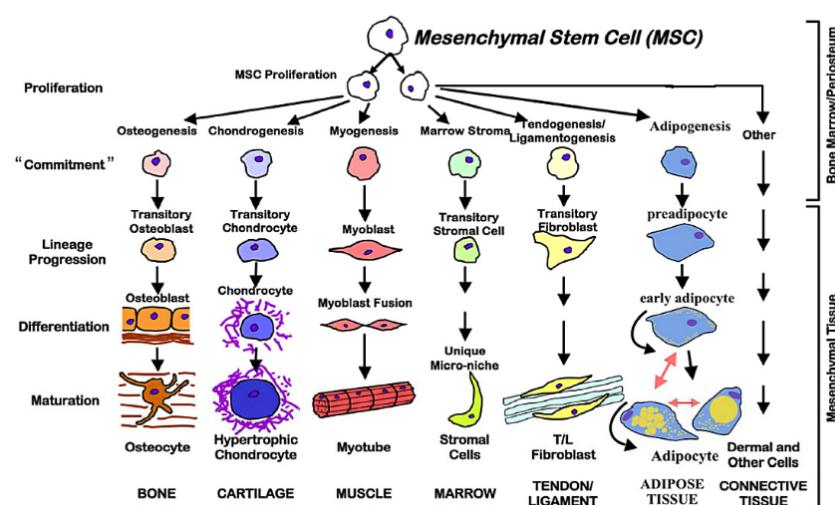
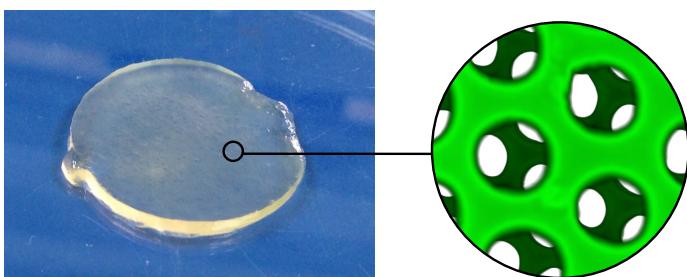
- Establish a procedure of abundantly fabricating hydrogel spheres with uniform size.
- Construct 3D tissue scaffolds with specific structural modulus by hydrogel spheres.

## What is tissue scaffold ?

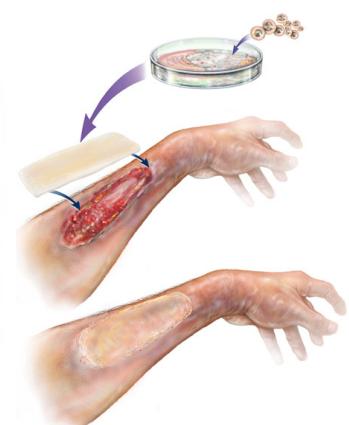
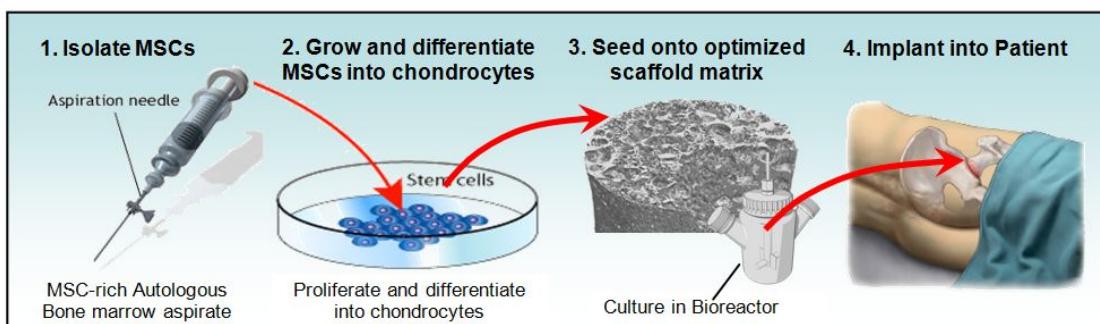
- It is a porous structure of biochemical material for cultivating stem cells.



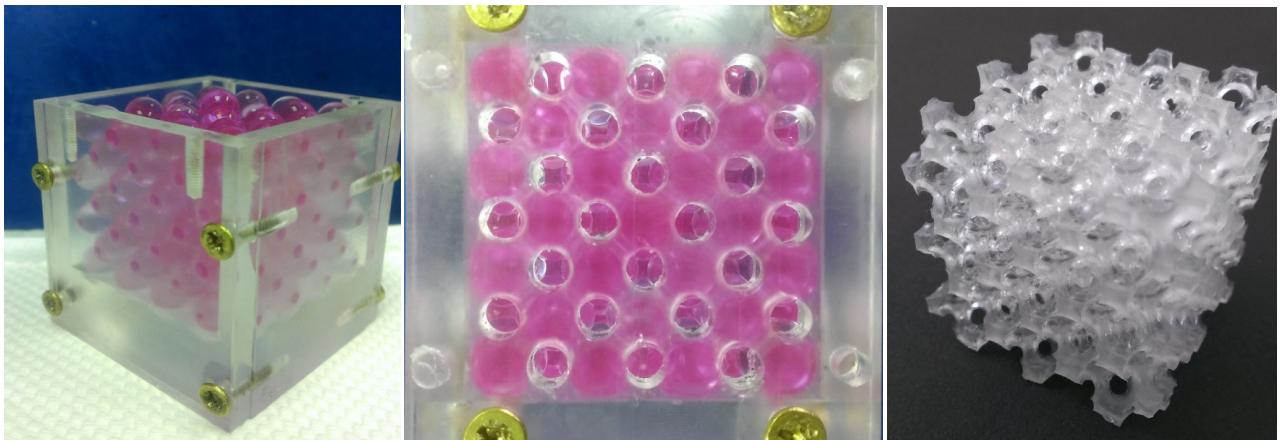
- By different structural Young's modulus, stem cells can proliferate various mesenchymal tissue.



- Implant skin tissue by cultivating MSCs in specific tissue scaffolds.

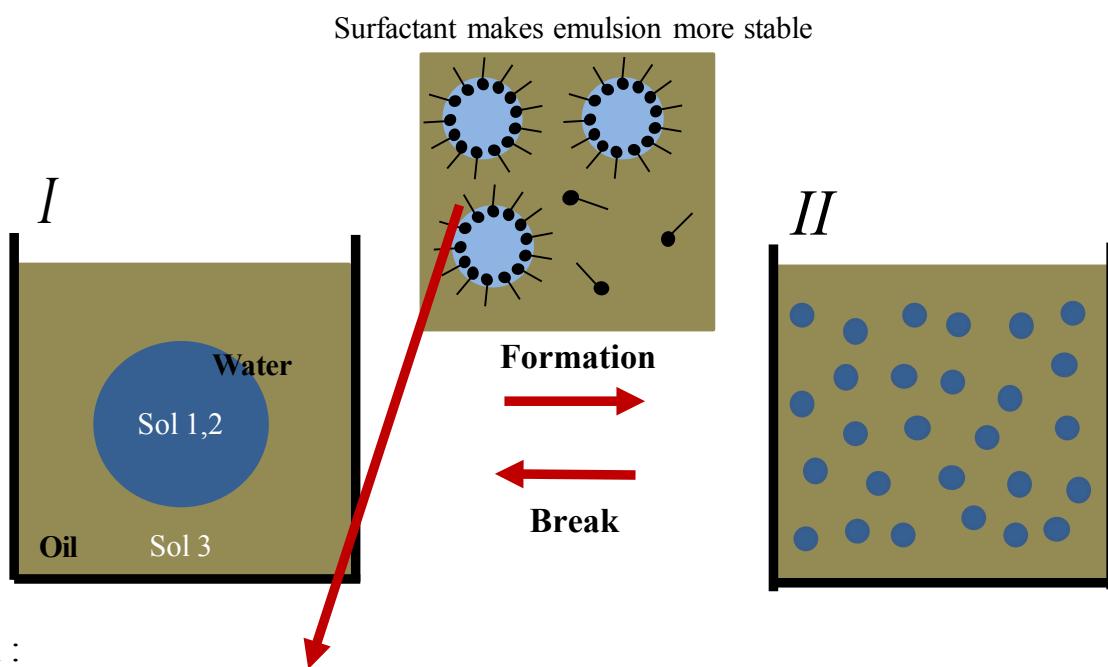


## How to produce 3D scaffolds by hydrogel spheres ?

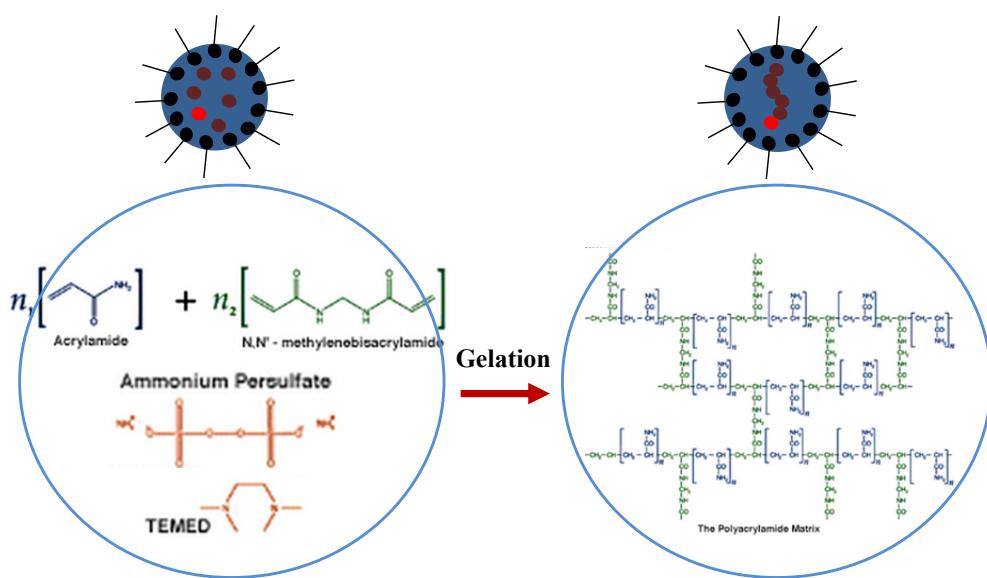


### The concepts of fabricating hydrogel spheres :

- Emulsion :



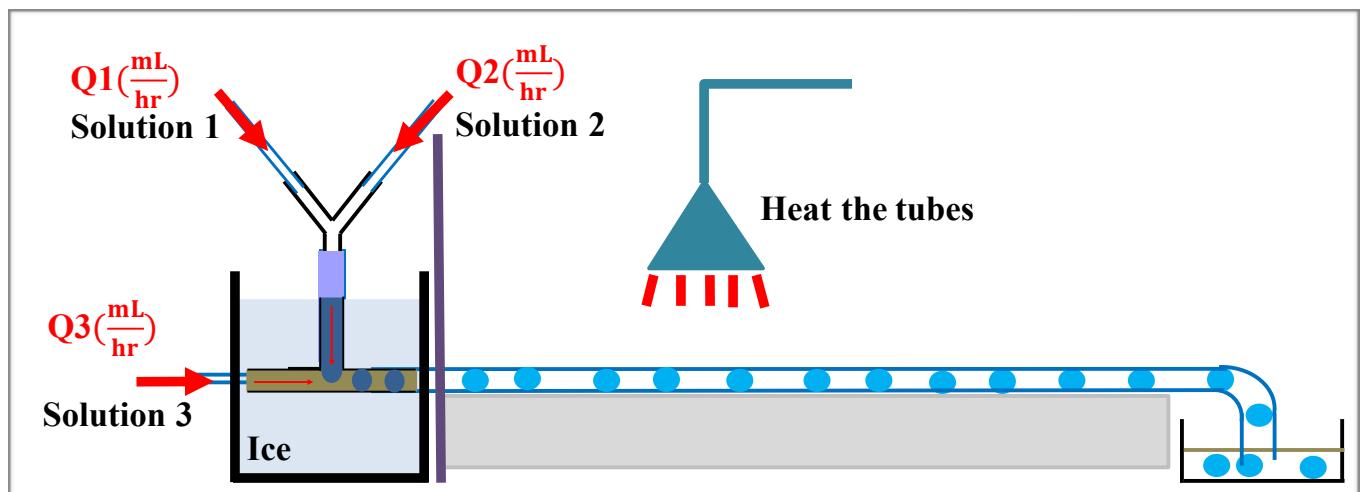
- Hydrogel :



## Results: The procedure of fabricating hydrogel spheres

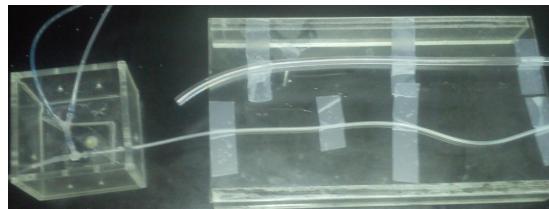
1. Create a microfluidic device to make monodisperse emulsion.
2. Let the aqueous solution dissolve the chemical substance.
3. When a dispersed phase is contact with a continuous phase, shear balance interfacial tension.
4. After droplets flow through T-junction channel, droplets will gradually gel.

- Experiment schematic :

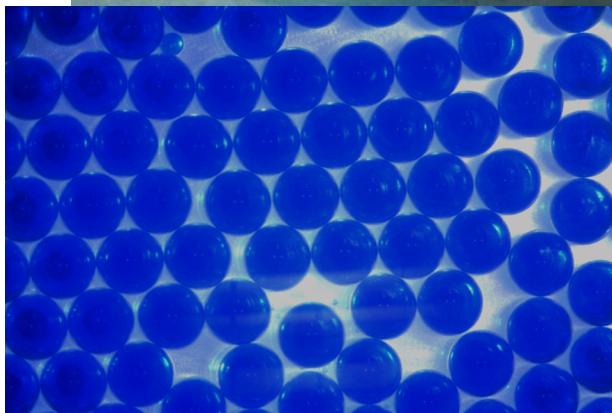
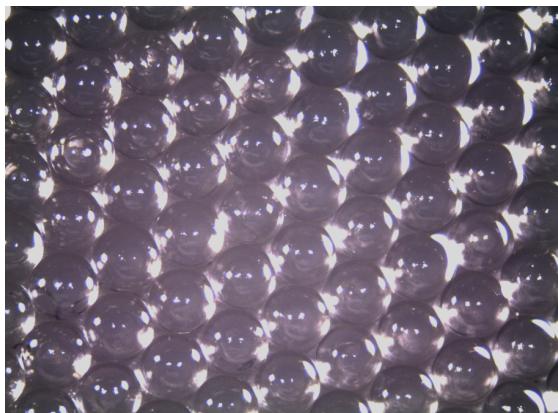


### Recipe:

- Solution 1 ( $Q_1 = 5 \text{ mL/hr}$ ) :
  - [REDACTED] % acrylamide
  - [REDACTED] BIS
  - [REDACTED] TEMED
- Solution 2 ( $Q_2 = 5 \text{ mL/hr}$ ) :
  - [REDACTED] % acrylamide
  - [REDACTED] BIS
  - [REDACTED] APS
- Solution 3 ( $Q_3 = 10 \text{ mL/hr}$ ) :
  - [REDACTED] PGPR in kerosene



- Experiment results :



# 療癒性科技競賽



## 御手環

荀子云：「今人之性，生而有好利焉，順是，故爭奪生而辭讓亡焉。」慾望猶如雙面刃，一方面使我們犯罪，另一方面使我們追求科技卓越。miXDea 的創立宗旨便是以科技為所欲，期望以科技遏止犯罪、增進社會安全，創造安心安全的美好生活。

因此父母不用擔心子女在外打拼發生危險了沒有求救辦法，男朋友也可以保護心愛的女生，希望藉此產品能夠撫慰人心，增加人們的安全感，增加家人彼此的關懷照護。

miXDea

2013 秋

(3) 產品外觀圖:

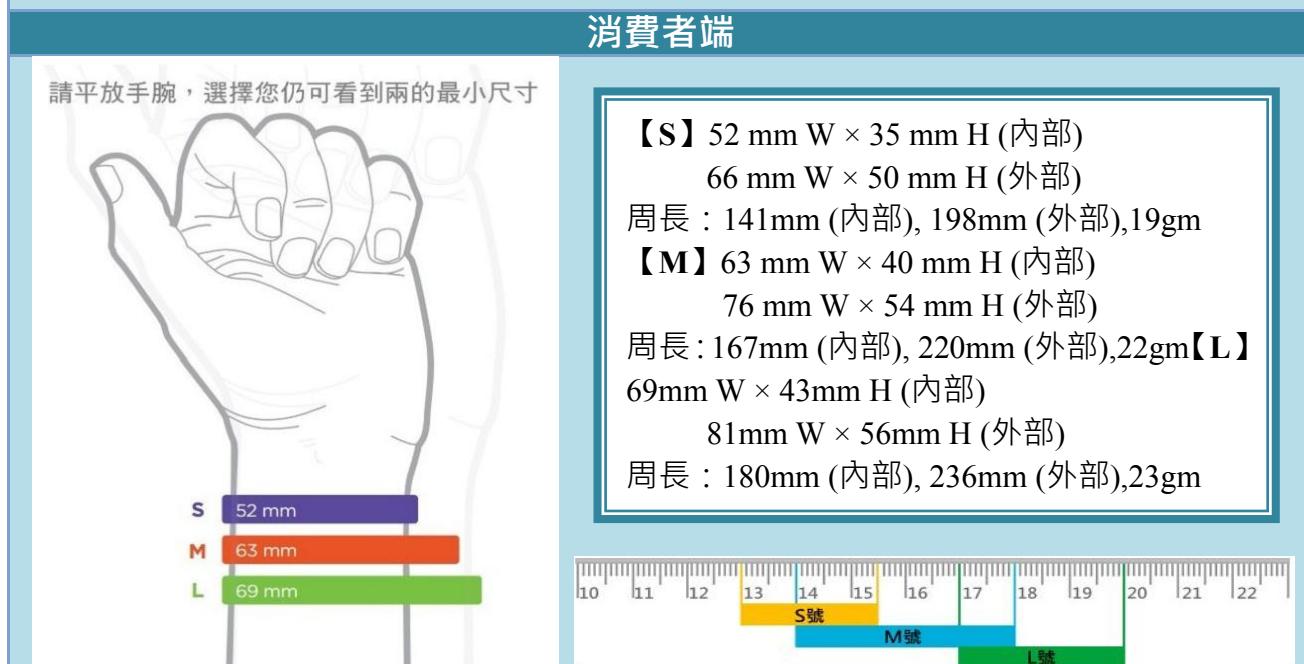
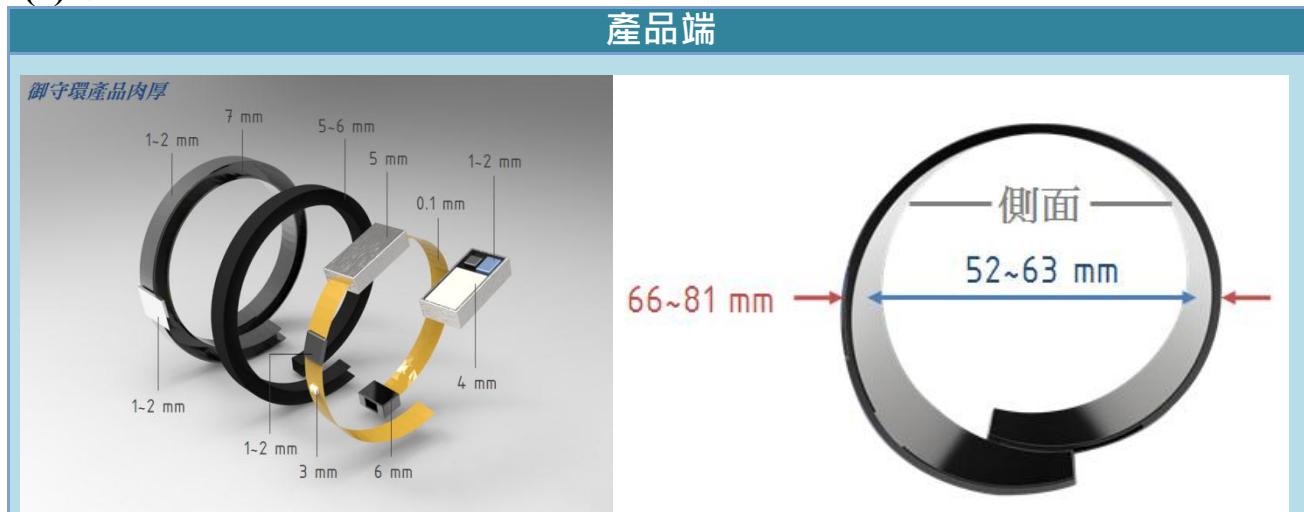
產品外觀圖			
項目	御守環 (通報定位 + 錄音)	御守環 (通報定位 + 強光)	御守環 (通報定位 + 噪音)
材質	輕金屬		
外觀			
特殊設計	 (三款皆同規格)	 MIXDEA Logo 放置處	 溝槽卡榫：調整大小
功能介紹	 藍牙燈 通報按鈕： 按至藍牙燈亮為通 報開啓長按為開啓 錄音功能	 強光區： 內凹以防碰撞 造成燈光損毀	 噪音功能： 需將手環下方之卡榫拔 斷後啟動
	 錄音功能 -收音孔	 強光區 (上視圖) 強光區啓動需長按	 拔斷卡榫： 可直接以單手 操作將手環其 中一側往外扳 噪音裝置區 (上視圖)
		 強光示意圖	 噪音裝置區 (上視圖)

# I am responsible for this portion

## (4) 產品內部構造圖：



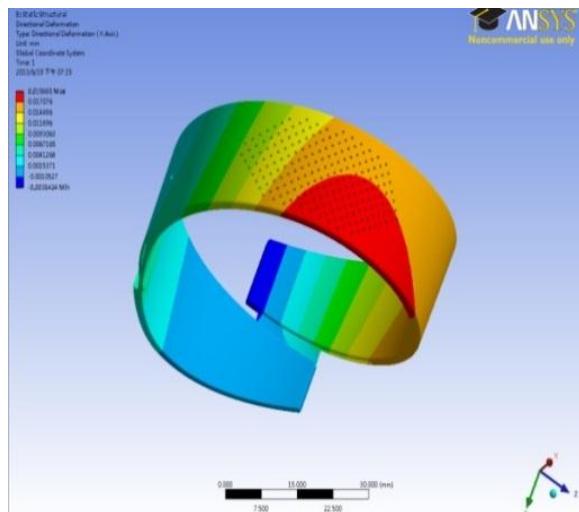
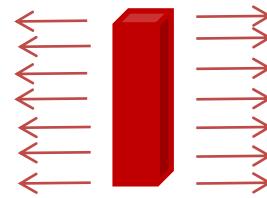
## (5) 產品規格:



# I am responsible for this portion

## (6) 產品受力測試:

手環寬 20 mm 厚度 4 mm 受力面積 0.02m\*0.01m  
(擷取應變最大之微小元素做拉伸測試分析)



鋁(2014-T6)降伏強度：410MPa  
楊氏係數：473GPa  
最大應變： $\sim 0.0056$

由 ANSYS 模擬分析後，當 900N 拉扯手環時，此手環外殼最大伸長 0.019665mm。  
最大應變： $\sim 0.0049$ 。

$0.0049 < 0.0056$   
此材質最大拉扯極限約 900~1012N

## 三. 產品使用情境與機制

御守環專為獨自在外出差、旅遊、夜歸之使用者在孤立無援、可能遇險的環境下，以即時通報定位、強光、警鳴等功能保護使用者之人身安全。

### 1. 御守環-一般使用(前期) (分為：自動觸發、拉扯觸發)

### 御守環-一般使用(中後期) (分為：自動觸發、拉扯觸



遇險時，御守環將發送訊號至手機 APP，再由 APP 啟動衛星定位，通知中央警察局與緊急聯絡人，由中央警察局系統出動最近派出所的警力前往救援。

遇險時，直接啟動御守環，並隨之啟動衛星定位，通知緊急聯絡人及最近的派出所系統，出動最近警局的警力前往救援。

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**Name:** Chiu, Jin-Hwa

Last (Family/Surname) Name, First (Given) Name Middle Name

**Email:** a0921120165@livemail.tw

**Gender:** M

**Date of Birth:** 31 Mar 1990

**Registration Number:** 0000 0000 2429 1308

**Test Date:** 09 May 2015      **Sponsor Code:**


Chiu, Jin-Hwa  
11F., No.23, Ershizhang Rd., Xindian Dist.,  
New Taipei City, Taiwan 231  
Taiwan

**Country of Birth:** Taiwan, Prov. Of China

**Inst. Code** | **Dept. Code**
**Native Language:** CHINESE

**Test Center:** STN12994A - Global Village Organization Hsinchu

**Test Center Country:** Taiwan

### TOEFL iBT Scaled Scores

Reading	.....	23
Listening	.....	26
Speaking	.....	20
Writing	.....	20
<b>Total Score</b>	.....	<b>89</b>

67

### Security Identification

**ID Type:** Passport

**ID No.:** xxxxxxxxxxxxxxxxxxxxxxxx5475

**Issuing Country:** Taiwan

Reading Skills	Level	Your Performance
Reading	High	<p>Test takers who receive a score at the <b>HIGH level</b>, as you did, typically understand academic texts in English that require a wide range of reading abilities regardless of the difficulty of the texts.</p> <p>Test takers who score at the <b>HIGH level</b>, typically</p> <ul style="list-style-type: none"> <li>have a very good command of academic vocabulary and grammatical structure;</li> <li>can understand and connect information, make appropriate inferences, and synthesize ideas, even when the text is conceptually dense and the language is complex;</li> <li>can recognize the expository organization of a text and the role that specific information serves within the larger text, even when the text is conceptually dense; and</li> <li>can abstract major ideas from a text, even when the text is conceptually dense and contains complex language.</li> </ul>
<b>Listening Skills</b>		
Listening	High	<p>Test takers who receive a score at the <b>HIGH level</b>, as you did, typically understand conversations and lectures in English that present a wide range of listening demands. These demands can include difficult vocabulary (uncommon terms, or colloquial or figurative language), complex grammatical structures, abstract or complex ideas, and/or making sense of unexpected or seemingly contradictory information.</p> <p>When listening to lectures and conversations like these, test takers at the <b>HIGH level</b> typically can</p> <ul style="list-style-type: none"> <li>understand main ideas and important details, whether they are stated or implied;</li> <li>distinguish more important ideas from less important ones;</li> <li>understand how information is being used (for example, to provide evidence for a claim or describe a step in a complex process);</li> <li>recognize how pieces of information are connected (for example, in a cause-and-effect relationship);</li> <li>understand many different ways that speakers use language for purposes other than to give information (for example, to emphasize a point, express agreement or disagreement, or convey intentions indirectly); and</li> <li>synthesize information, even when it is not presented in sequence, and make correct inferences on the basis of that information.</li> </ul>

# VERIFIED

CERTIFICATE *of* ACHIEVEMENT



This is to certify that

**JIN-HWA, CHIU**

successfully completed and received a passing grade in

**6.00.1x: Introduction to Computer Science and Programming Using Python**

a course of study offered by MITx, an online learning initiative of Massachusetts Institute of Technology through edX.

A handwritten signature in black ink, appearing to read "Eric Grimson".

W. Eric L. Grimson

Bernard Gordon Professor of Medical Engineering  
Chancellor for Academic Advancement  
*Massachusetts Institute of Technology*

A handwritten signature in black ink, appearing to read "John Guttag".

John Guttag

Dugald C. Jackson Professor of Computer  
Science and Electrical Engineering  
*Massachusetts Institute of Technology*

A handwritten signature in black ink, appearing to read "Sanjay Sarma".

Sanjay Sarma

Dean of Digital Learning  
*Massachusetts Institute of Technology*



VERIFIED CERTIFICATE

Issued November 5, 2015

VALID CERTIFICATE ID

f3f89b7050894103ac2d582da9f4e24d

# VERIFIED

CERTIFICATE of ACHIEVEMENT



This is to certify that

**JIN-HWA CHIU**

successfully completed and received a passing grade in

**6.00.2x: Introduction to Computational Thinking  
and Data Science**

a course of study offered by MITx, an online learning initiative of the Massachusetts Institute of Technology through edX.

A handwritten signature in black ink.

W. Eric L. Grimson

Bernard Gordon Professor of Medical  
Engineering  
Chancellor for Academic Advancement

*Massachusetts Institute of Technology*

A handwritten signature in black ink.

John Guttag

Dugald C. Jackson Professor of  
Computer Science and Electrical Engineering  
*Massachusetts Institute of Technology*

A handwritten signature in black ink.

Sanjay Sarma

Vice President for Open Learning  
*Massachusetts Institute of Technology*



VERIFIED CERTIFICATE  
Issued May 10, 2016

VALID CERTIFICATE ID  
00799a81b76b418d8549f3cb32bb1058



PEKING  
UNIVERSITY

JANUARY 12, 2016

Jin-Hwa Chiu

has successfully completed

C程序设计进阶

an online non-credit course authorized by Peking University and offered through Coursera

Ge Li 李戈

GE LI 李戈, PH.D.  
SCHOOL OF ELECTRONIC ENGINEERING AND COMPUTER SCIENCE  
PEKING UNIVERSITY

COURSE  
CERTIFICATE



Verify at [coursera.org/verify/5W9P9M6PLV93](https://coursera.org/verify/5W9P9M6PLV93)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



## COURSE CERTIFICATE

MARCH 04, 2016

Jin-Hwa Chiu

has successfully completed

Using Python to Access Web Data

an online non-credit course authorized by University of Michigan and offered through Coursera

A handwritten signature in black ink that appears to read "Charles Severance".

Charles Severance  
Clinical Associate Professor, School of Information  
University of Michigan



Verify at [coursera.org/verify/3QPP9RSTWQTJ](https://coursera.org/verify/3QPP9RSTWQTJ)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



## COURSE CERTIFICATE

JANUARY 24, 2016

**Jin-Hwa Chiu**

has successfully completed

**Python Data Structures**

an online non-credit course authorized by University of Michigan and offered through Coursera

A handwritten signature in black ink that appears to read "Charles Severance".

Charles Severance  
Clinical Associate Professor, School of Information  
University of Michigan



Verify at [coursera.org/verify/25FSARVBAP6X](https://coursera.org/verify/25FSARVBAP6X)  
Coursera has confirmed the identity of this individual and  
their participation in the course.



## COURSE CERTIFICATE

FEBRUARY 27, 2016

Jin-Hwa Chiu

has successfully completed

Using Databases with Python

an online non-credit course authorized by University of Michigan and offered through Coursera

A handwritten signature in black ink that appears to read "Charles Severance".

Charles Severance  
Clinical Associate Professor, School of Information  
University of Michigan



Verify at [coursera.org/verify/LNYYNVgTBDR5](https://coursera.org/verify/LNYYNVgTBDR5)  
Coursera has confirmed the identity of this individual and  
their participation in the course.

# HONOR CODE CERTIFICATE



**Satya Nadella**

Chief Executive Officer

*Microsoft Corporation*

**Björn Rettig**

Senior Director Technical Content

*Microsoft Corporation*

This is to certify that

**JIN-HWA, CHIU**

successfully completed and received a passing grade in

**DEV210x: Introduction to C++**

a course of study offered by Microsoft, an online learning initiative of Microsoft Corporation through edX.



HONOR CODE CERTIFICATE  
Issued October 24, 2015

VALID CERTIFICATE ID  
34359524426d451ba55f1d7a7784c529



# 台灣聯合大學系統 療癒系科技創意競賽

張恩璋 君 (C1211283039) 國立交通大學科技管理研究所碩士班

邱敬驛 君 (F127940563) 國立交通大學機械工程學系碩士班

白婷婷 君 (H223824106) 國立交通大學傳播科技學系學士班

組成 MixDea 團隊

作品 【御守環】，

榮獲 療癒系科技創意競賽-貳獎。

表現優異

特頒此證

國立交通大學科技與社會中心

主任 楊谷洋 教授

楊谷洋

中華民國 102 年 11 月 28 日



Young Entrepreneurs  
of the Future

國際青年創業領袖計畫

This is to certify that

Chiu, Tin Hua 丘敬華

has successfully completed the YEF Entrepreneurial Workshops

July 30 ~ August 01, 2013

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時代基金會 · Garage+ · 臺灣大學 · 清華大學 · 政治大學  
交通大學 · 臺灣科技大學 · 輔仁大學 · 成功大學



# 國立交通大學運動代表隊證書



交大 102 體證字第 1000035 號

姓名：邱敬驥

學系：機械工程學系

在校期間當選桌球運動代表  
隊，為校爭光，貢獻卓著。  
特頒此證



矣妍華

中華民國 102 年 6 月 5 日



Engineering & Consultant

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邱敬麟

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of All Requirements in the Course

Abaqus Basic Training

基礎訓練

劉敬麟

Technical Instructor

Jul. 08<sup>th</sup> ~10<sup>th</sup>, 2014 / 18 Hours

Date / Total Hours



# 國立交通大学碩士學位證書

交(105)碩字第0251065號  
學號：〇二五一〇六五

邱敬驛

係中華民國 柒拾玖年參月參拾壹日生  
在本校 工學院 機械工程學系 碩士班  
修業期滿成績合格依學位授予法之規定

授予 工學碩士

學位

此 證

校 長

張懋中



核對者





# 國立交通大學學士學位證書

交(102)學字第9814060號

學號：九八一四〇六〇

邱敬驛

係中華民國 柒拾玖年參月參拾壹日生  
在本校 工學院 機械工程學系  
修業期滿成績合格依學位授予法之規定

授予 工學學士

學位

此 證

校 長

邱敬驛

中華民國 102 年 6 月

核對者

灼曾 印麗

