



成大

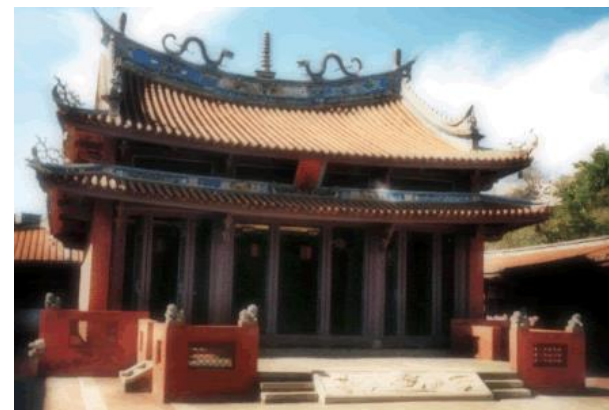
NATIONAL CHENG KUNG UNIVERSITY  
TAINAN, TAIWAN



# Our location: Tainan

- Tainan City is the oldest city in Taiwan. In 1661, when Jheng Chengkung (鄭成功, Koxinga) recovered Taiwan from the hands of the Dutch, he began his reign in Taiwan from Tainan City....
- Established as the capital of Taiwan in 1661 and remained the capital until 1887 (Qing Dynasty)
- Population: 1,870,000 (great Tainan)
- Charming city with historical culture and modern civilization

- ☐ First-class historical sites: 8
- ☐ Southern Taiwan Science Park: 20 km away from city center





# Brief history

- 1931 – Founded as “Tainan Technical College”
- 1946 – “Taiwan Provincial College of Engineering
- 1956 – “Taiwan Provincial Cheng Kung University”
- 1971 – Renamed as  
“National Cheng Kung University”





# National Cheng Kung University (NCKU)

Colleges: 9  
Departments: 43  
Institutes: 39  
Degree programs: 8  
BS programs: 44  
MS programs: 101  
Doctoral programs: 55

Enrollment : 21,236 (2016 spring)

Faculty: 1,343

Research faculty: 360

Alumni: over 130,000

Area: 187 hectares (461.9 acres)

■ Main campus: 83 hectares (205 acres)

■ An-Nan campus: 73 ha (180.3 acres)

■ Gueiren campus: 26 ha (64.2 acres)

■ Dou-Liu campus: 5 ha (12.4 acres)

■ (100 ha=1 km<sup>2</sup>, 1 ha=2.47 acres)





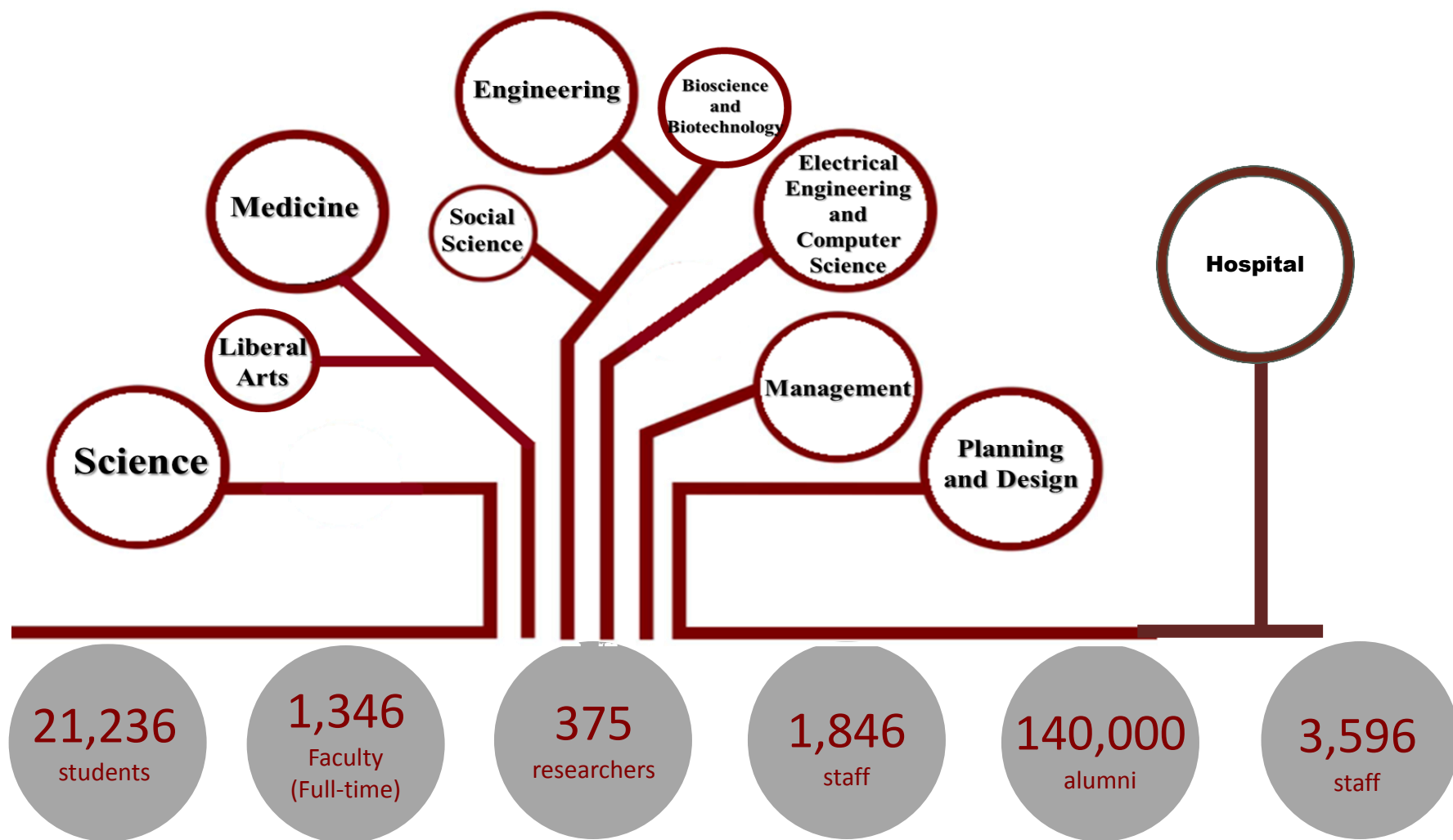
# Location of campuses



- Main Campus (including the hospital): 83 hectares
- Annan Campus: 73 hectares
- Gueiren Campus: 26 hectares
- Douliu Campus: 5 hectares
- **Total: 187 hectares**



# COMPOSITION OF NCKU





# Mission statement

- Based on the cultural heritage of Taiwan, aims to develop into a *world-class comprehensive university*.
- Educate future leaders with *humanistic* and *professional grounding, creativity, global vision* and *social consciousness*.
- Promote *interdisciplinary research* which can *benefit our society and mankind*.

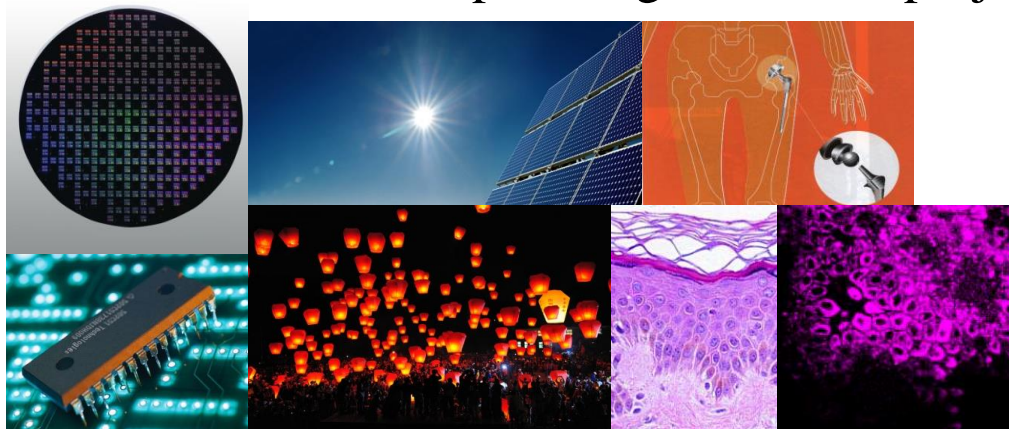






# NCKU's influence on Taiwan's economy & industry

- In the past eight decades, the alumni of NCKU served in large numbers in science, engineering, and management sectors of many Taiwanese industries and government.
- NCKU's education has had great influences on Taiwan's economy and industry development, as well as various important government projects







# 2015 world university ranking



National Cheng Kung University



Index				Johns Hopkins University	Duke University	NCKU
	International outlook-staff and students (7.5%)	International academic staff / Total academic staff(2.5%)		59.7	50.5	26.7
		International students / Total students(2.5%)				
		Scholarly papers with one or more international co-authors / Total scholarly papers(2.5%)				
	Industry income-innovation(2.5%)	Research income from industry / Academic staff(2.5%)		100	100	100
	Research-volume, income, reputation(30%)	Reputation survey - Research(18%)		84.2	75.2	40.1
		Research income (purchasing-power parity) / Academic staff(6%)				
		Scholarly papers / Academic staff + Research staff (6%)				



# World University Rankings



**4** Disciplines  
are ranked



**7** Disciplines  
are ranked



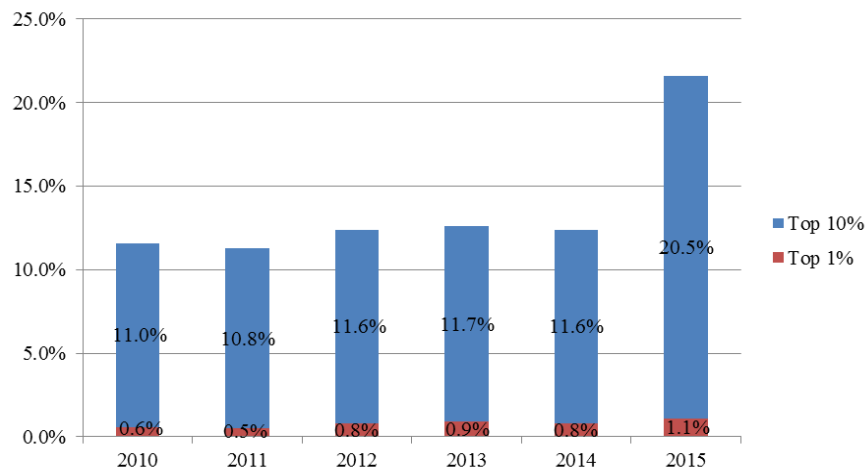
**5** Disciplines  
are ranked



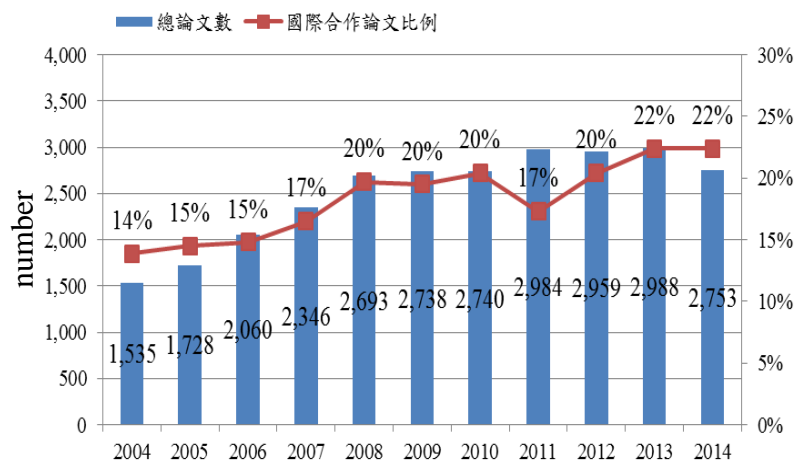




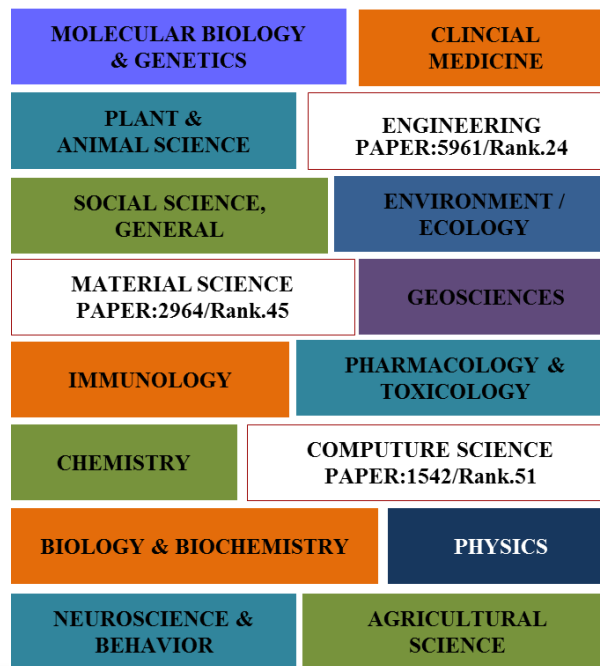
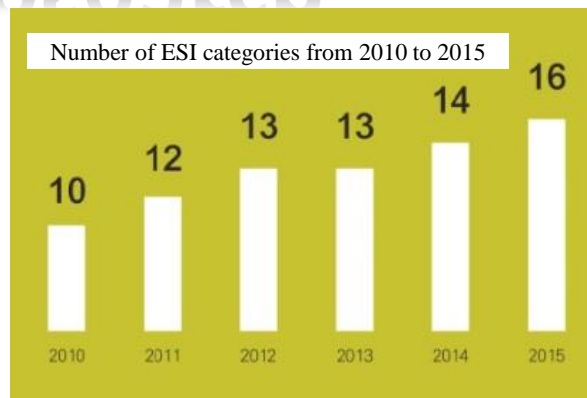
# Cutting-edge Research



% of NCKU publications in the top 1% and top 10% most cited worldwide



Number of publications in total and % of international collaborations





# Top research centers

**Research Center for  
Energy Technology  
and Strategy  
(RCETS)**

**Infectious Diseases  
and Signaling  
Research Center  
(IDSRC)**

**Innovation Center  
for Advanced  
Medical Device  
Technology(MDIC)**

**Advanced  
Optoelectronic  
Technology Center  
(AOTC)**

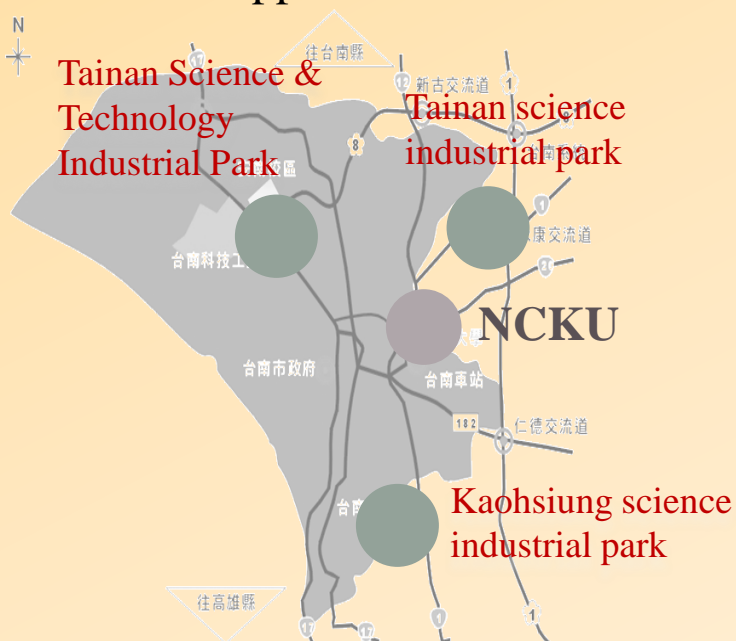


# Research center for energy technology and strategy (RCETS)

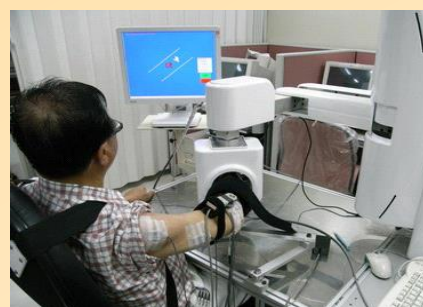


# Innovation center for advanced medical device technology

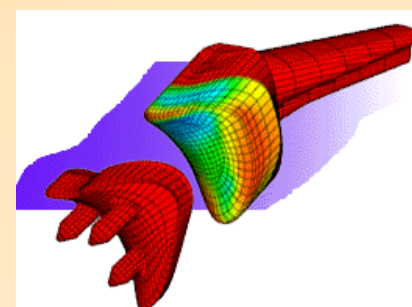
- Engineering & medicine talents
- Integration of industry, academy, research & medicine institutes
- Emerging industry in medical device
- Industrial application & advanced RD



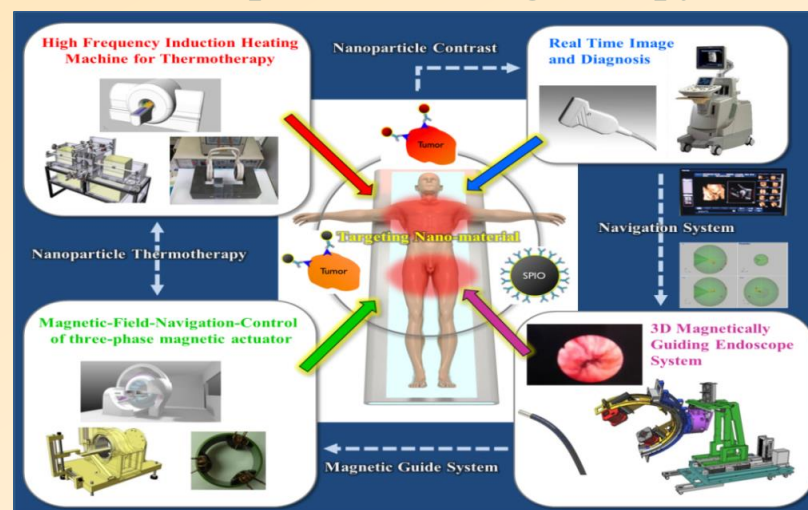
Health-care robot



Orthopedics device



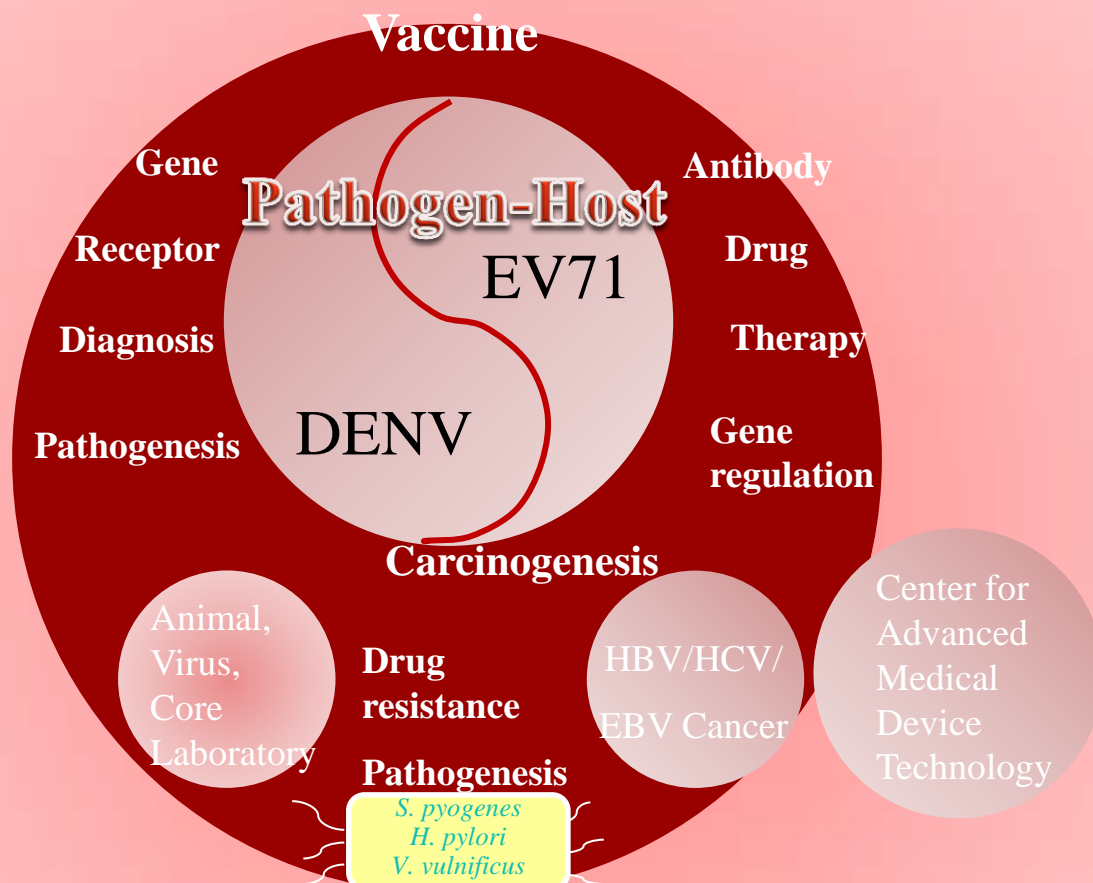
Nano particle heating therapy







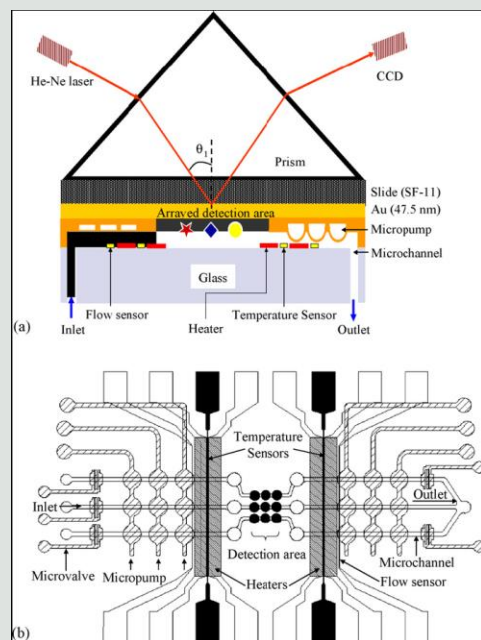
# Infectious diseases and signaling research center (IDSRC)



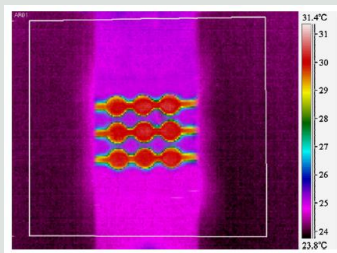
Novel/Teach/Research/Translation/Industry  
Platform for Infectious Disease & Signal

# Advanced optoelectronic technology center (AOTC)

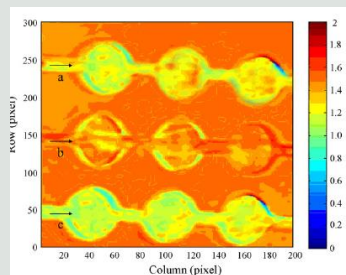
**Microfluidic systems integrated with two-dimensional surface plasmon resonance phase imaging systems for microarray immunoassay**



**Temperature Control**

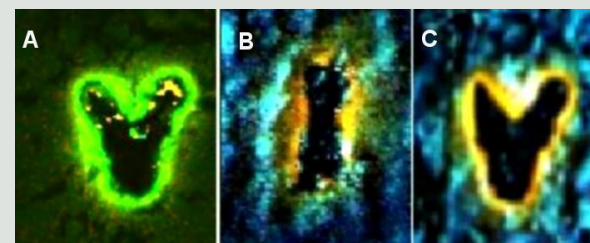
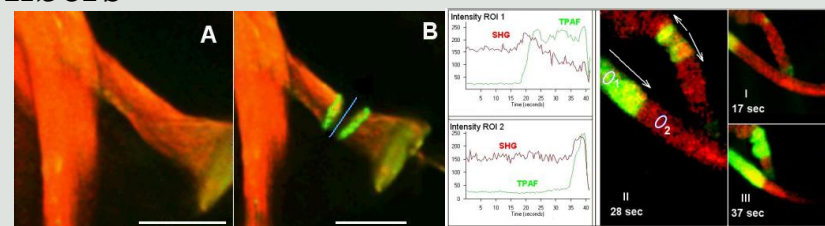


**2D Phase Image**



**Top-ranking Research Fields in the world:  
LED, GaN, ZnO**

**Dynamics of femtosecond laser photo-modification of collagen fibers**







# INTERNATIONAL PARTNERSHIPS

updated on June 4, 2016

- 347 international cooperation agreements.
- Number of cooperation institutions: 233
- 37 Countries.



Dual degree program 27  
Exchange student program (active) 175

University level MoU 168  
College level MoU 91  
Department level MoU 52  
Research Center MoU 8



# INTERNATIONAL PARTNERSHIPS

1

International Degree-seeking Students

2

Exchange Students

3

Short-Term Activities



# INTERNATIONAL DEGREE-SEEKING STUDENTS **Total: 665** \_updated on April 8, 2016

## Europe total **40**

1.France 法國	14	8.Austria 奧地利	1
2.Russia 俄羅斯	9	9. Republic of Ireland 愛爾蘭	1
3.Germany 德國	4	10.Belgium 比利時	1
4. Czech 捷克	1	11.Spain 西班牙	2
5.Italy 義大利	2	12.England 英國	1
6.Nederland 荷蘭	1	13.Ukraine 烏克蘭	1
7. Slovenia 斯洛維尼亞	1	14.Romania 羅馬尼亞	1

## Asia total **477**

1.Indonesia 印尼	150
2.Vietnam 越南	123
3.Malaysia 馬來西亞	64
4.India 印度	35
5.Thailand 泰國	19
6.Japan 日本	17
7.Mongolia 蒙古	14
8.Korea 韓國	13
9.Pilipinas 菲律賓	16
10.Singapore 新加坡	4
11.Myanmar 緬甸	1
12.Pakistan 巴基斯坦	1
13.Nepal 尼泊爾	3
14.Iraq 伊拉克	2
15.Iran 伊朗	12
16.Bangladesh 孟加拉	2
17.Macao 澳門	1

## Oceania total **8**

1.Solomon 索羅門群島	2
2.Kiribati 吉里巴斯	5
3.Australia 澳大利亞	1

## N. America total **23**

1.America 美國	20
2.Canada 加拿大	3

## Latin America &Caribbean total **82**

1.Haiti 海地	15
2.Honduras 宏都拉斯	11
3.Belize 貝里斯	6
4.Panama 巴拿馬	8
5.Paraguay 巴拉圭	6
6.El Salvador 薩爾瓦多	7
7.Guatemala 瓜地馬拉	5
8.Ecuador 厄瓜多	3
9.Nicaragua 尼加拉瓜	3
10.St. Lucia 聖露西亞	1
11.St. Vincent and Grenadines 聖文森及格瑞那丁	2
12.Brazil 巴西	1
13.Chile 智利	1
14.Colombia 哥倫比亞	1
15.Mexico 墨西哥	3
16.Costa Rica 哥斯大黎加	1
17.Saint Kitts and Nevis 聖克里斯多福及尼維斯	1
18.Urugruy 烏拉圭	5



## Africa total **35**

1.Burkina Faso 布吉納法索	16
2.Swaziland 史瓦濟蘭	9
3.Gambia 甘比亞	2
4.Kenya 肯亞	2
5.South Sudan 南蘇丹	2
6.Nigeria 奈及利亞	2
7.Zimbabwe 辛巴威	1
8.Egypt 埃及	1





# INTERNATIONAL DEGREE-SEEKING STUDENTS

Total: 665\_updated on April 8, 2016

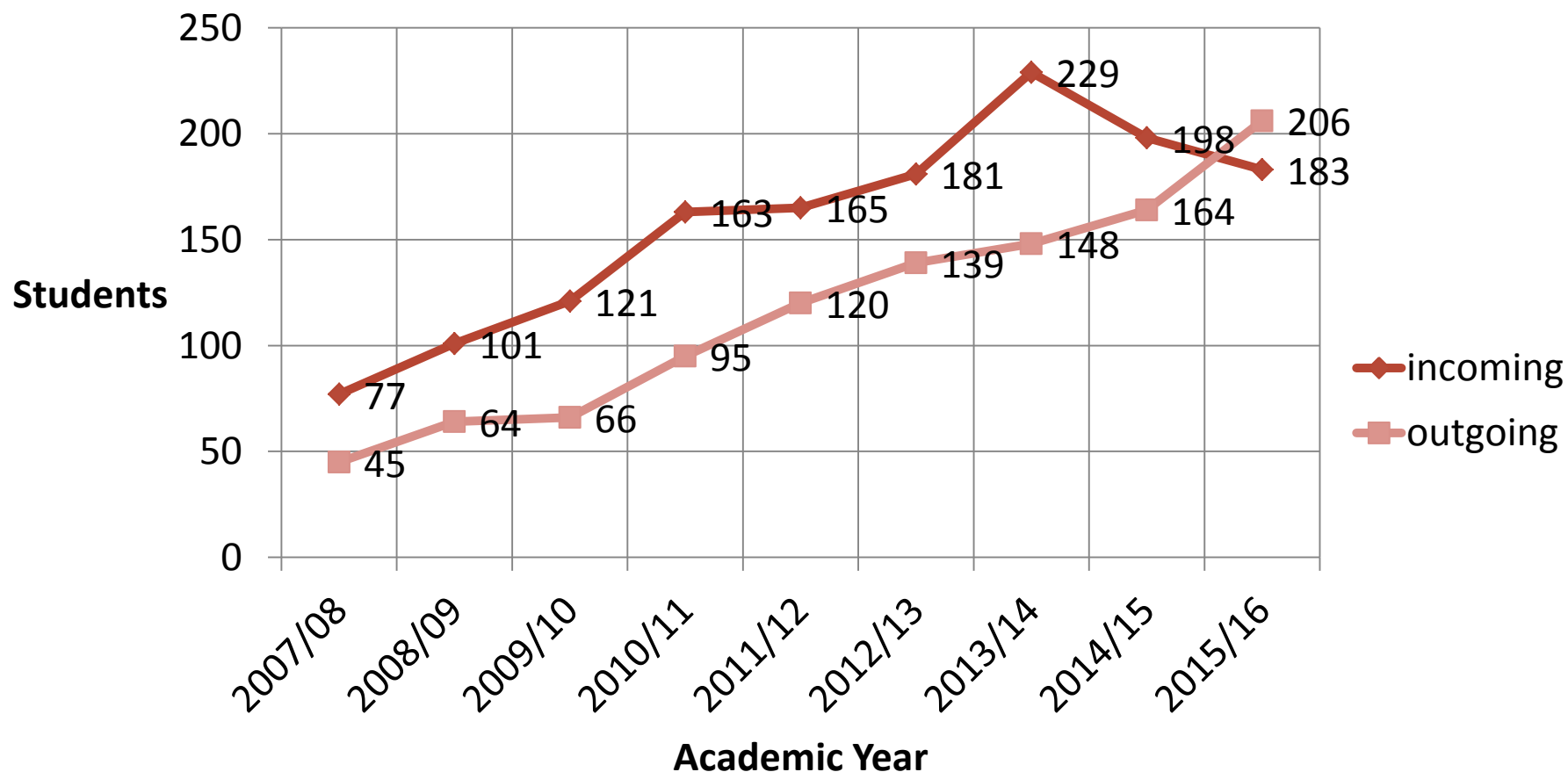
Distribution by College	PhD	Master	Bachelor	Total
文學院 Liberal Arts	15	13	14	42
理學院 Science	9	3	3	15
工學院 Engineering	54	149	92	295
電機資訊學院 EECS	15	10	21	46
規劃與設計學院 Planning & Design	15	9	8	32
管理學院 Management	18	104	14	136
醫學院 Medicine	18	25	7	50
社會科學院 Social Sci	4	8	20	32
生命科學與科技學院 Bio	8	9	0	17
總計	156	330	179	665



# SEMESTER EXCHANGE

## [2007-2015]

### Nine-Year Trend





# Engagement with Society

## NCKU-SVAA(Silicon Valley Alumni Angels) Incubation Program

Home > 顧問團隊 > 創業導師



陳文雄(土木1964)



謝益臻(電機1966)



何夢英(化學1966)



楊盛世(材料1967)



盧克修(電機1969)



章成樑(電機1969)



謝生海(材料1970)



陳一之(電機1971)



楊麗武(電機1971)



劉方氣(電機1977)



陳勁初(航空1979)



蘭紹遠(化學1982)



王晉武(造船1982)

Business  
mentors

加入

### 創業導師

是由一群創業有成、經驗豐富的企業家與校友組成，致力移植矽谷創新創業精神到成大與台灣，為新創團隊提供豐富的矽谷經驗傳授與人脈資源，走向國際。

歡迎各領域的專家、創業成功人士、企業經營管理者加入創業導師團隊。

NCKU-SVAA

首頁 新創培訓 顧問團隊 新聞 報名 聯絡我們

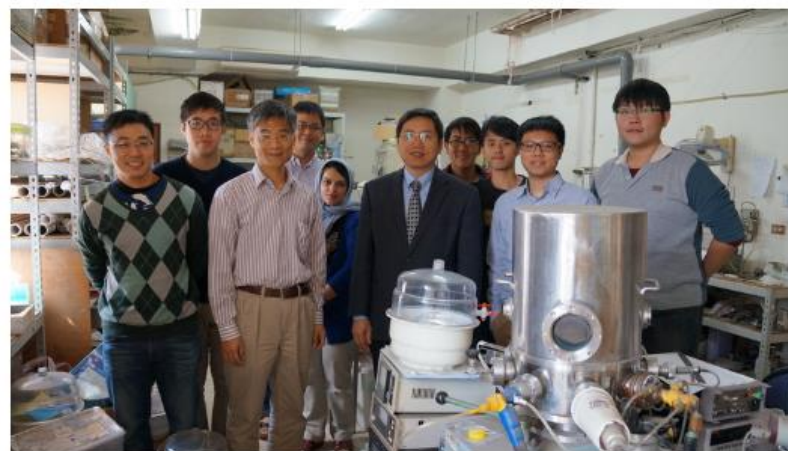
### 成大·矽谷·新創培訓

從創新出發，體現矽谷精神



成大SiLican團隊將赴美國矽谷 爭取國際創投青睞

Published: Tuesday, 10 February 2015 04:50



Sponsored by the Innovation and Entrepreneurship program of Ministry of Science and Technology, this incubation program is the first NCKU engagement with the Silicon Valley training program. It is the one and only team acknowledged by the program.





# Engagement with Society

## Cultivation for Asia Students



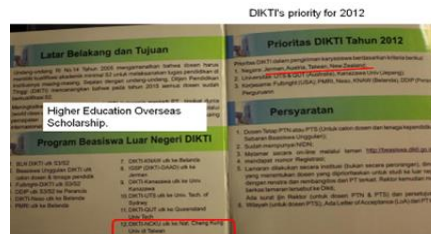
- Indonesia/ Dept. of Environmental Engineering  
/ State Ministry of National Development Planning-World Bank
- Sri Lanka/Inst. of International Management  
/ Faculty of General Sir John Kotelawala Defence University
- Vietnam/Dept. of Hydraulic & Ocean Engineering  
/ Faculty of Hochiminh city University of Technology
- Bengal/Dept. of Earth Sciences  
/ Associate Professor, department of Geology and Mining University of Rajshahi
- Philippines/Graduate Institute of Political Economy/Assistant Professor at Mapua Institute

## Cultivation for Central and South America Students



- Guatemala/Dept. of Medicine  
/ the first international student graduated from Dept. of Medicine
- Panama/Dept. of Aeronautics and Astronautics  
/ Quality Manager of Panama Canal Company
- Panama/Inst. of International Management  
/ Lawyer of Mossack Fonseca & Co
- Panama/Dept. of Transportation and Communication Management Science  
/Quality Manager of Panama Tabaco Company

## International Advanced Degree in Nursing





# Arts and humanity teaching, research, social services





# Social contribution



Academia-Industry  
Collaboration



The underprivileged  
students programs



Environmental  
Protection and  
Sustainability



International students  
services



Industry Promotion





***THANK YOU***