

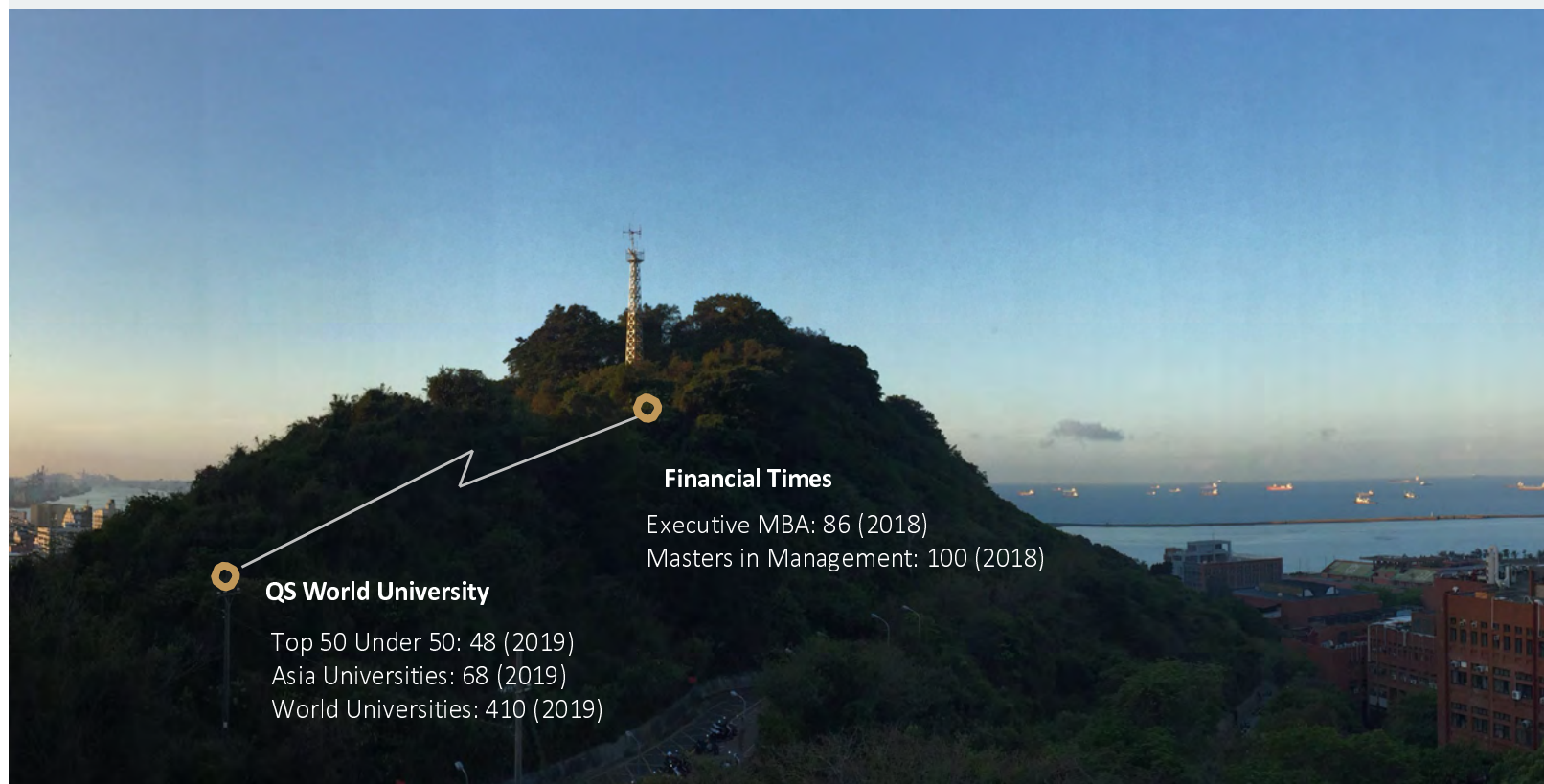



National Sun Yat-sen University





International Ranking



An aerial photograph of the National Sun Yat-sen University campus. The university buildings, mostly red-brick, are situated on a lush green hillside. A long, straight pier extends from the campus into the dark blue ocean. In the background, a dense urban skyline of Taipei is visible under a clear blue sky with a few wispy clouds. The foreground shows the dark water of the ocean.

National Sun Yat-sen University

was established in 1980 by the Ministry of Education as a education institution in southern Taiwan. Along the the best universities in the country.

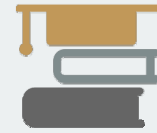
leading comprehensive higher years, NSYSU has grown to become one of

NSYSU is a highly research-oriented student population. Research the university in many

university where graduate students constitute half of the output by each faculty member contributes to the excellence of academic fields and has landed NSYSU in the world's top universities.

The campus sits in the scenic Sizihwan, a unique location surrounded by the ocean and the mountains. Its privileged location provides incomparable experience for faculty, students and staff of NSYSU.

Facts & Figures



6 COLLEGES

21 Undergraduate Programs

41 Master Programs

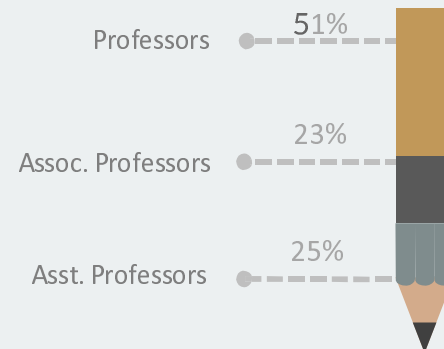
27 Doctoral Programs



Faculty 536

Staff 716

Student 10,741



Academic Departments



College of Liberal Arts

- Department of Foreign Languages and Literature
- Department of Music
- Department of Theater Arts
- Institute of Philosophy



College of Science

- Department of Chemistry
- Department of Physics
- Department of Biological Sciences
- Department of Applied Mathematics
- Institute of Biomedical Sciences
- Institute of Medical Science and Technology
- Institute of Biotechnology and Pharmaceutical Research
- Institute of Precision Medicine



College of Engineering

- Department of Electrical Engineering
- Department of Mechanical and Electro-Mechanical Engineering
- Department of Computer Science and Engineering
- Department of Materials and Optoelectronic Science
- Department of Photonics
- Institute of Environmental Engineering
- Institute of Communications Engineering
- Institute of Medical Science and Technology

Academic Departments



College of Management

- Department of Business Management
- Department of Information Management
- Department of Finance
- Institute of Human Resource Management
- Institute of Marketing Communications
- Institute of Public Affairs Management



College of Marine Sciences

- Department of Marine Biotechnology and Resources
- Department of Marine Environment and Engineering
- Department of Oceanography
- Institute of Undersea Technology
- Institute of Marine Affairs



College of Social Sciences

- Department of Political Economy
- Department of Sociology
- Institute of Economics
- Institute of Political Science
- Institute of China and Asia-Pacific Studies
- Institute of Education



Diverse Novel Adventure

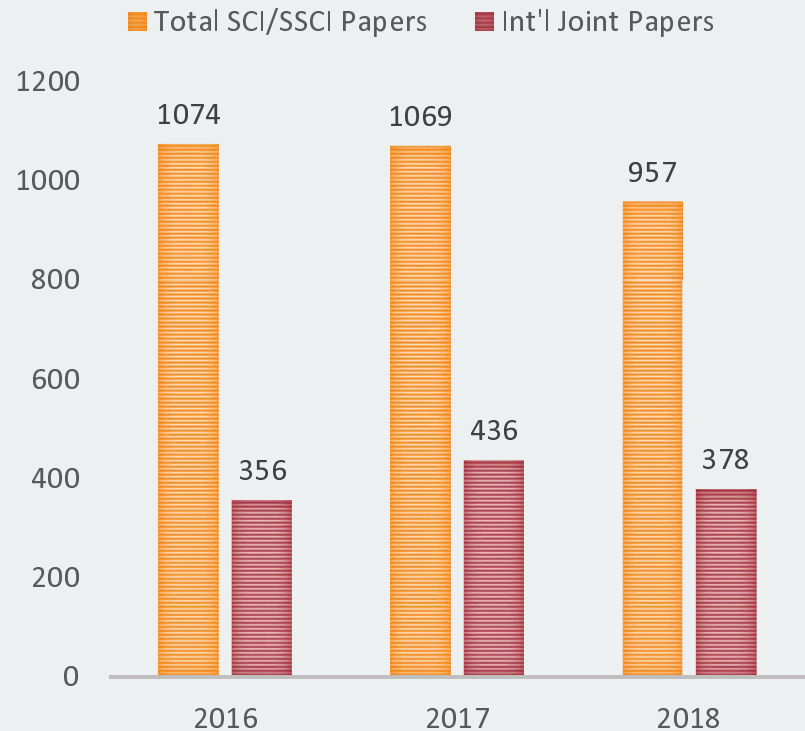
Research Achievements

Essential Science Indicators (ESI) Scientific Fields in World's Top 1%

- Chemistry
- Engineering
- Materials Science
- Clinical Medicine
- Mathematics*
- Pharmacology
- Plant & Animal Science
- Computer Science
- Social Sciences, General

* Field among top 200

International Joint Papers

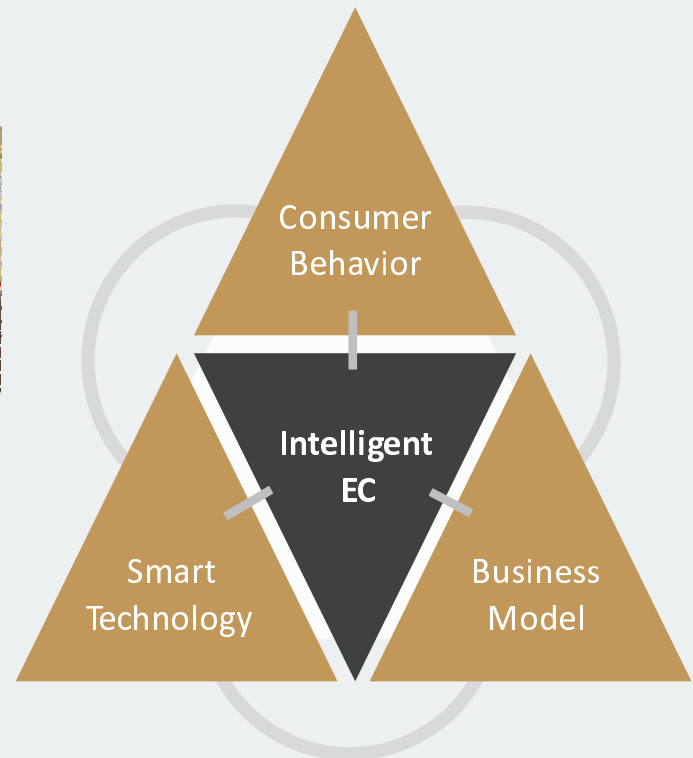


National Research Center of Global Taiwan

Intelligent Electronic Commerce Research Center



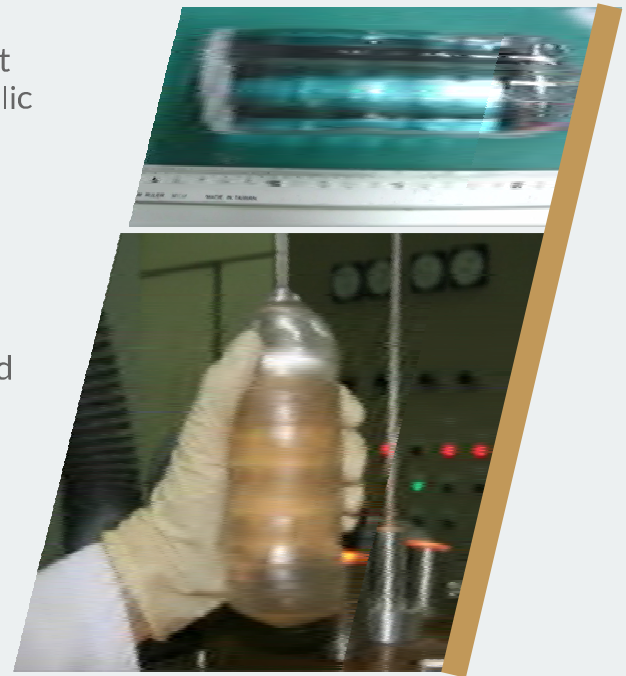
- Top ranked Global Center for Research Excellence
- Strong international linkage and reputation
- Focus on intelligent technology in business
- Developing state-of-the-art strategic applications
- Close industry-academic collaboration
- Orientation toward innovation and entrepreneurship



National Research Center of Excellence

Center of Crystal Growth

- The Center is a collaboration of several existing laboratories including the Taiwan Consortium of Emergent Crystalline Materials Laboratory, the Disorder Metallic Glass Laboratory, the Crystalline and Non-Crystalline Memory Device Laboratory, and the Order Soft Matter Laboratory.
- The Center is led by Chair Professor Mitch M.C. Chou and a team of national award-winning and academically recognized scholars from Physics, Chemistry, Materials and Optoelectronic Science and Mechanical Engineering.
- The Center currently has six research groups:
 - High-temperature Superconductor
 - Thermoelectric Crystals
 - Nonlinear Optical Crystals
 - High-power Laser Crystals
 - Soft Order Materials
 - Compound Semiconductor



Key Research Centers

Asia-Pacific Ocean Research Center (APORC)

The Center focuses on research areas including Global Change, Marine Biodiversity, Ocean Acidification, Marine Drugs and Biotechnology, Marine Industry Applications and Marine Affairs and Governance, and integrates disciplines of science, engineering and management.

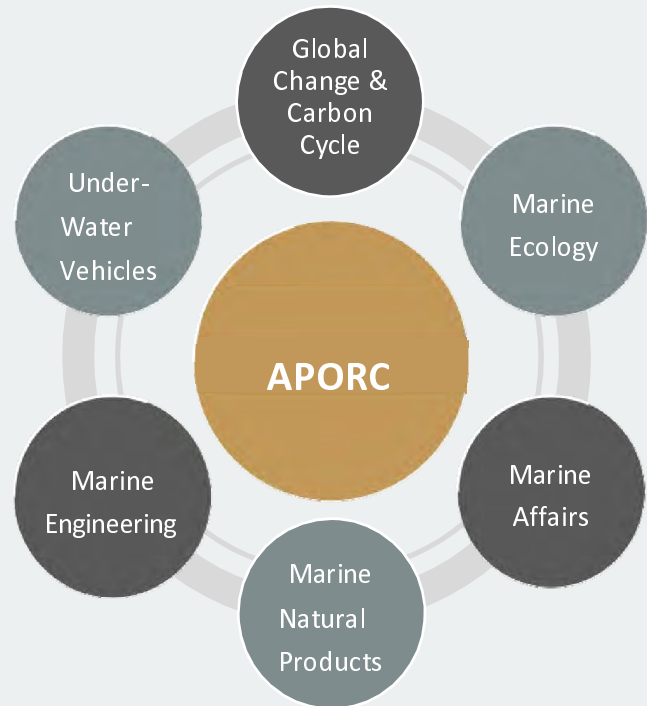


第三屆離岸風力發電國家政策與法律國際研討會
The 3rd International Conference on National Policy and Laws for Offshore Wind Energy



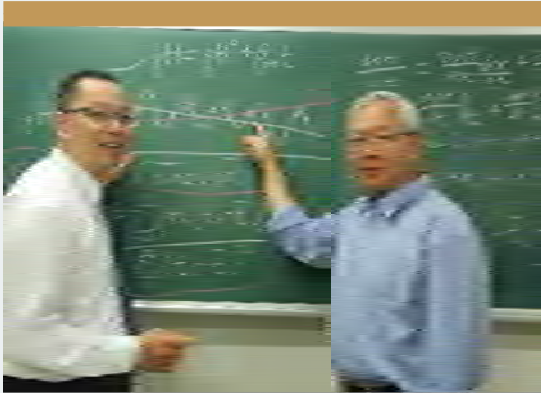
台北國華國際文教旅館 14 樓 貴賓廳
14F, Howard Civil Service International Hotel, Taipei, Taiwan, R.O.C

2017 年 12 月 12 日
12 December 2017

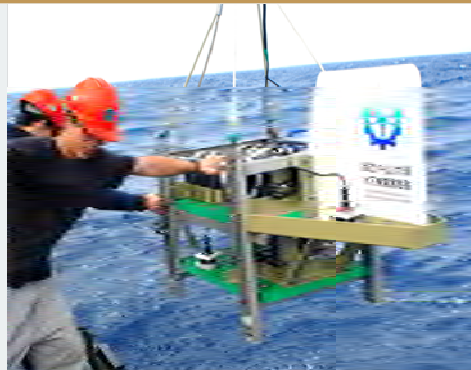


Key Research Centers

Asia-Pacific Ocean Research Center (APORC)



International research collaboration in marine chemistry and global warming, recognized in international journals.



Undersea instrument design & manufacturing with strong industrial application.

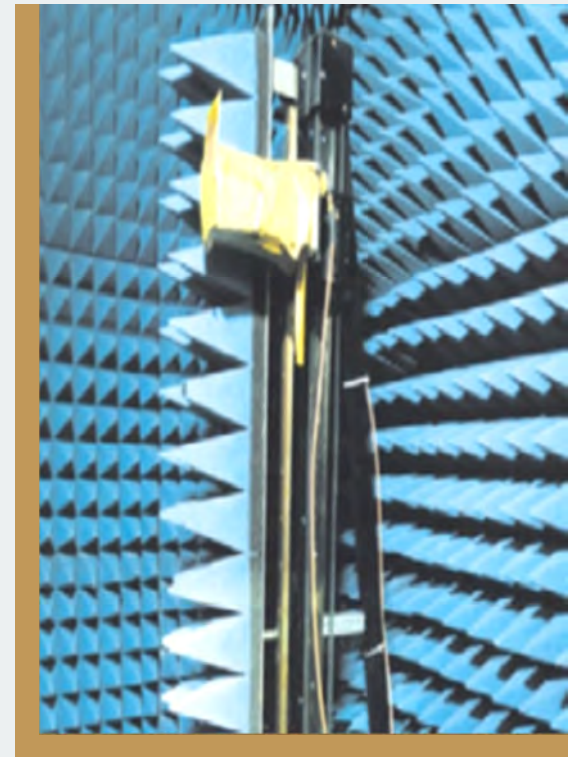


“Dongsha Atoll Research Station” is accessible to international researchers for on-site studies.

Key Research Centers

Massive MIMO Antenna System Research Center (MMASRC)

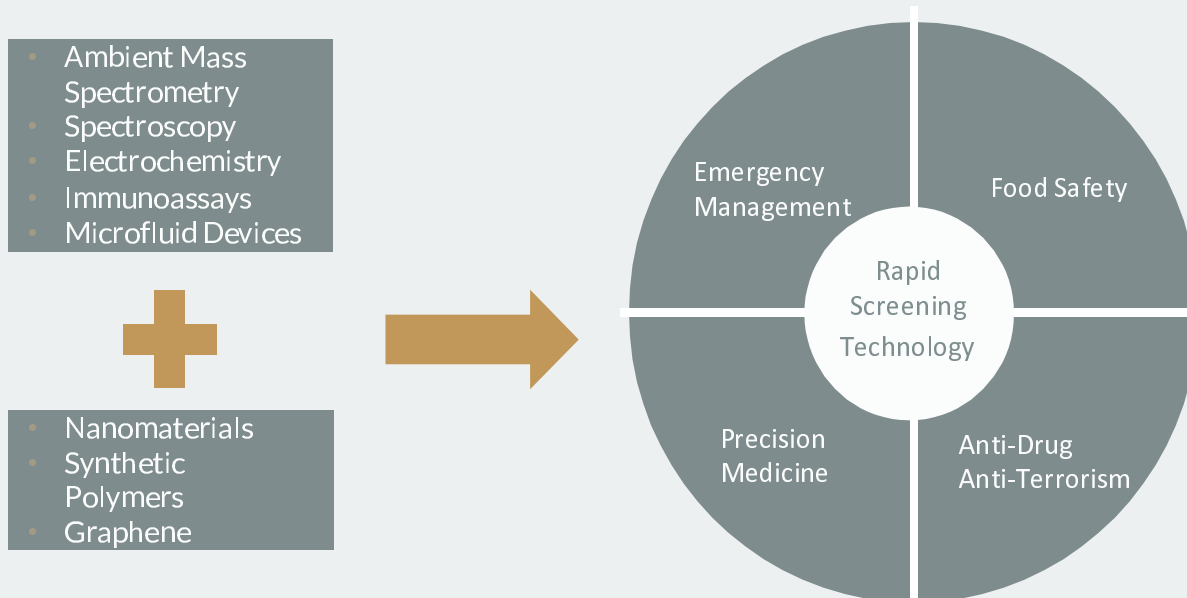
- A world-leading research center in mobile antennas involving in cutting-edge research of the next generation (5G) mobile communication technologies.
- Research topics include:
 - MIMO array techniques in smartphones
 - RF techniques in smartphones
 - Baseband techniques for low-cost MIMO signal processing solutions
- Research publications by the Center has gained world-class recognition and has ranked first in number of publications and citations from 2005-2015.



Key Research Centers

Rapid Screening Research Center for Toxicology and Biomedicine (RSRCTB)

Technology for Rapid Diagnosis of Chemical and Biological Components



Targeted and Non-targeted Screening of

- | | |
|----------------------------|--------------------------------|
| Residual Pesticides | Disease Biomarkers |
| Abused Drugs and Narcotics | Environmental Hormones |
| Explosives | Chemical and Biological Toxins |

Key Research Centers

NSYSU Social Engagement Center

- encourages interaction among faculty, students, and the community;
- aims to preserve local culture and tradition;
- explores and tackles urban issues;
- shifts academic paradigms through community collaboration and exchanges.

Examples of local community projects:

- YanCheng Urban Game
- AMaze Our Lifestyle life story sharing
- “Big Catch Flag” marine culture preservation
- “Sampan Boat” shipbuilding culture preservation
- Sizih Bay Tunnel shelter space renovation and innovation
- Fine Arts and Cultural Entrepreneurs’ Studio (FACES)
- Humanities for the Environment Asia-Pacific Observatory



Key Research Centers

Multidisciplinary and Data Science Research Center (MDSC)

- The MDSC was the first center established in southern Taiwan by a top university.
- The Center fosters frontier research and technologies in multidisciplinary and data science.
- The Center comprises of leading data science scholars and aims to establish leading data training and research facilities in the country.
- Research areas include:
 - Data Science
 - Biomedicine and Innovative Detection
 - Green Energy and Environment



Industry-Academe Collaboration

Key Research Topics

- Lighting and Display
- High-end Measurement Instruments & Communications Systems
- Fundamental Development on Social Welfare
- Nanomaterial Development & Manufacturing Process
- High-end Graphics and Video Software
- Creativity & Digital Content
- Advanced Green Materials
- Hydro & Wind Power
- IoT
- Regional Economics
- Development & Application on High-Value Chemical
- Key Technologies on Health Monitoring & Medical Diagnostic
- Development & Application on Marine Resources
- Instruments/Generic Platforms for Medical Electronics
- Research & Development on New Drugs
- Telematics
- Medical Device

The Industry-Academe collaboration brings in approximately US\$17 million annually (2018-19)

Featured Industry-Academe Collaboration

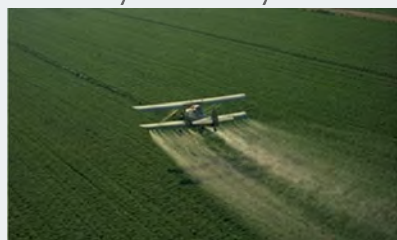
Ambient Mass Spectrometry



Polymer Analysis



Cosmetic Preservation



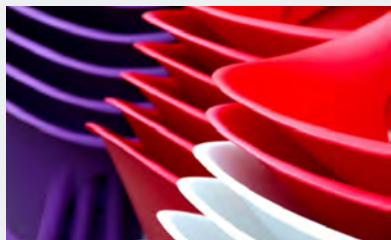
Pesticide Residue



Mix Oil Composition



Drug Analysis



Environment (Plasticizer)

Applications in:

- Environment pollution prevention
- Food Safety
- Antiterrorism
- Biomedicine
- Pharmaceutical
- Metabolite
- Material
- Toxicology

Technology Transfer Amount:

US\$541,000 +

(including new technology-invested companies)

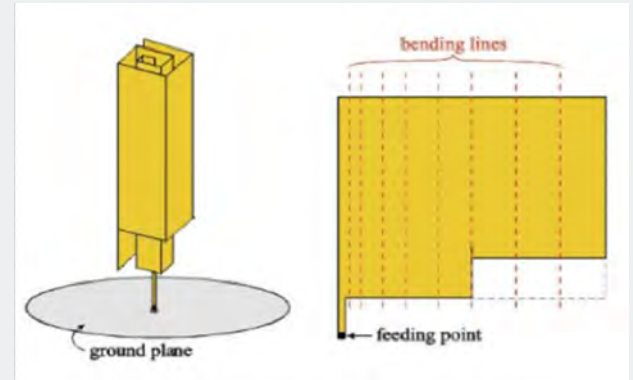
Industry-Academe Collaboration & Technology Transfer

Mobile Communications Antenna Design

Applications

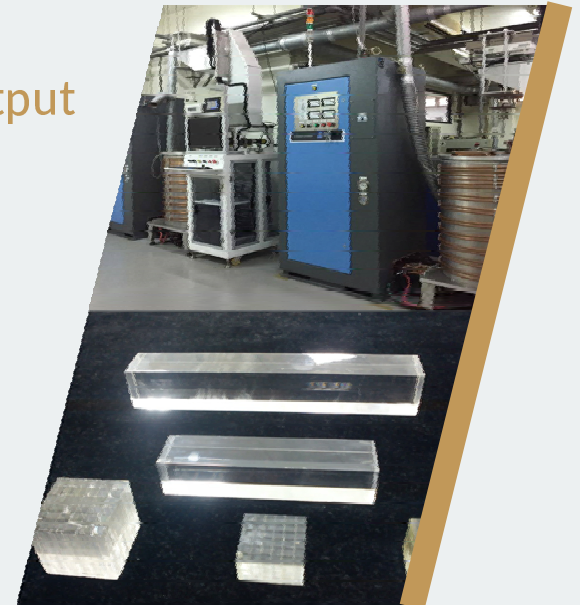
- Ultra-wideband communications
- Vehicular communications

Low profile, high efficiency and easy to manufacture



Scintillating Crystals with High Light Output

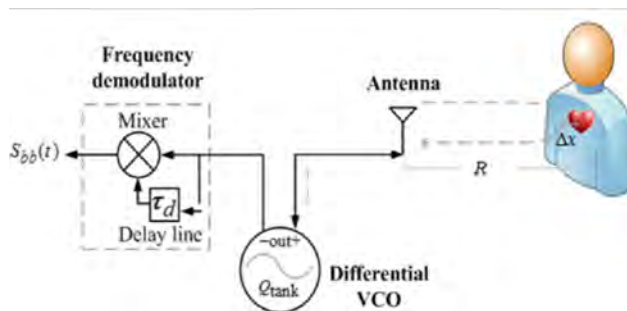
- A detector using scintillating Crystals can be applied to high-end medical equipment- i.e. the Positron Emission Tomography (PET)
- Technology transfer value over US\$2 million



Featured Patent and Technology Transfer

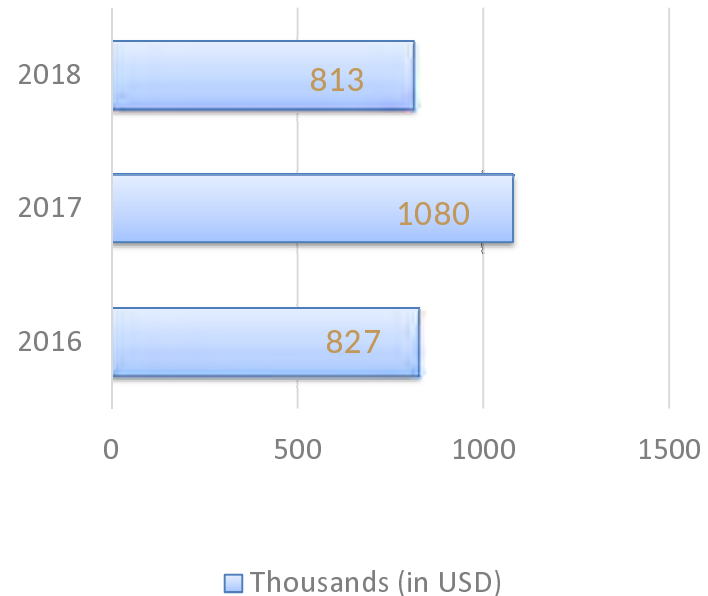
Non-Contacting Biomonitoring

- Monitoring vital signs and bioinformatics
- Using radar and radio frequency techniques to detect bioinformatics, establishing an accurate, non-contact biomonitoring technique.
- Technology transfer value of US\$2 million.

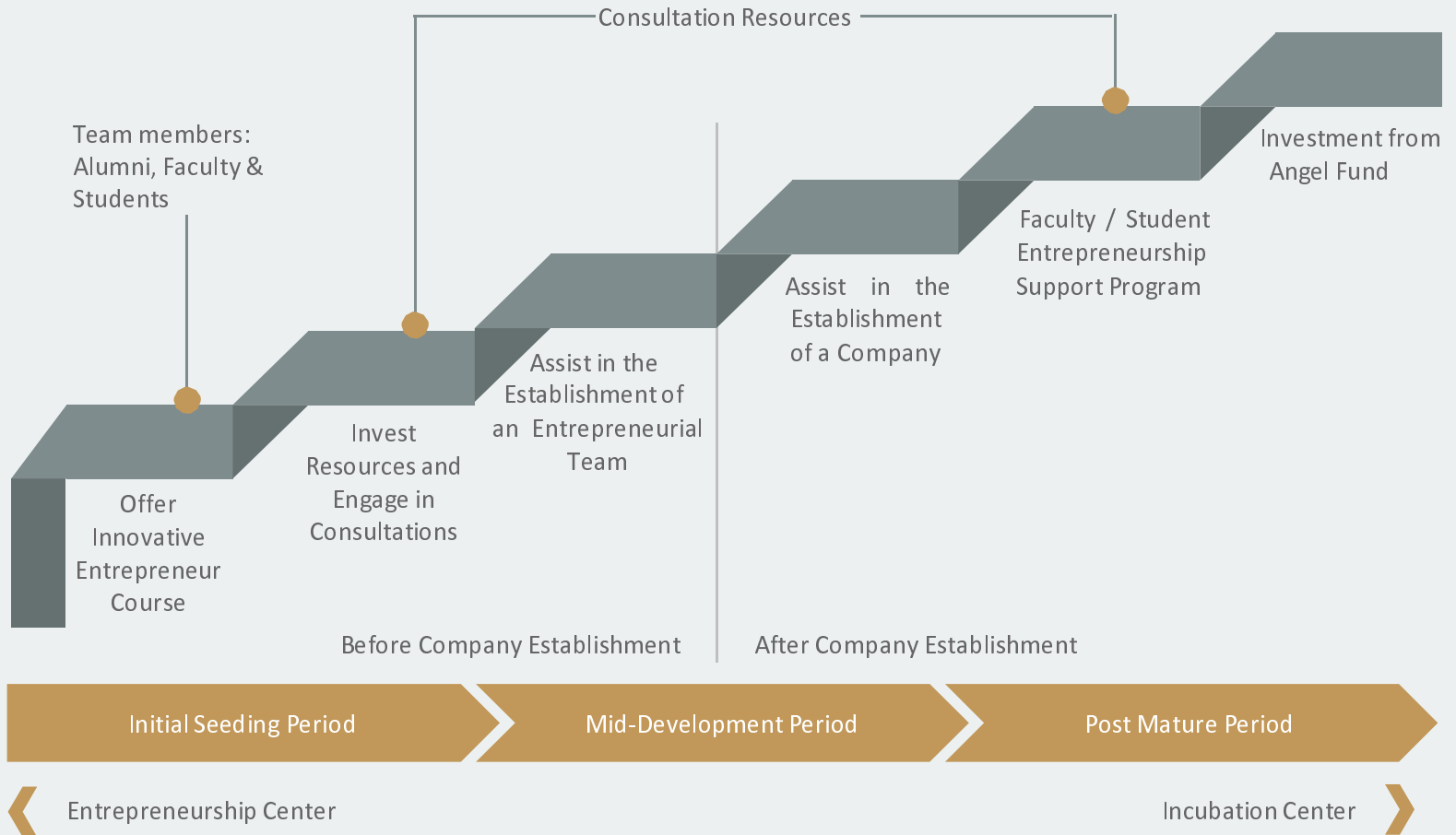


588 Patents
as of May, 2019

Technology Transfer



Establishing On-Campus Entrepreneurial Environment and Mechanisms



Incubation Performance & Funds

Incubation Performance

The Incubation Center facilitates over 20 startups per year.

Entrepreneurship Center Container HQ

- 265 m² container co-working space
- 96+ Teams
- 28+ new startup



Sun Yat-sen Ventures

- | Founded in March of 2014 with an initial capital of US\$1.6 million
- | Goal: to assist faculty, students and alumni for startup ventures
- | Additional funding of US\$3.2 million from NSYSU in 2018.
- | Over US\$693,000 have been invested.



Invested US\$ 161,000 in 2014



Invested US\$ 24,000 in 2015



Invested US\$ 272,000 in 2017

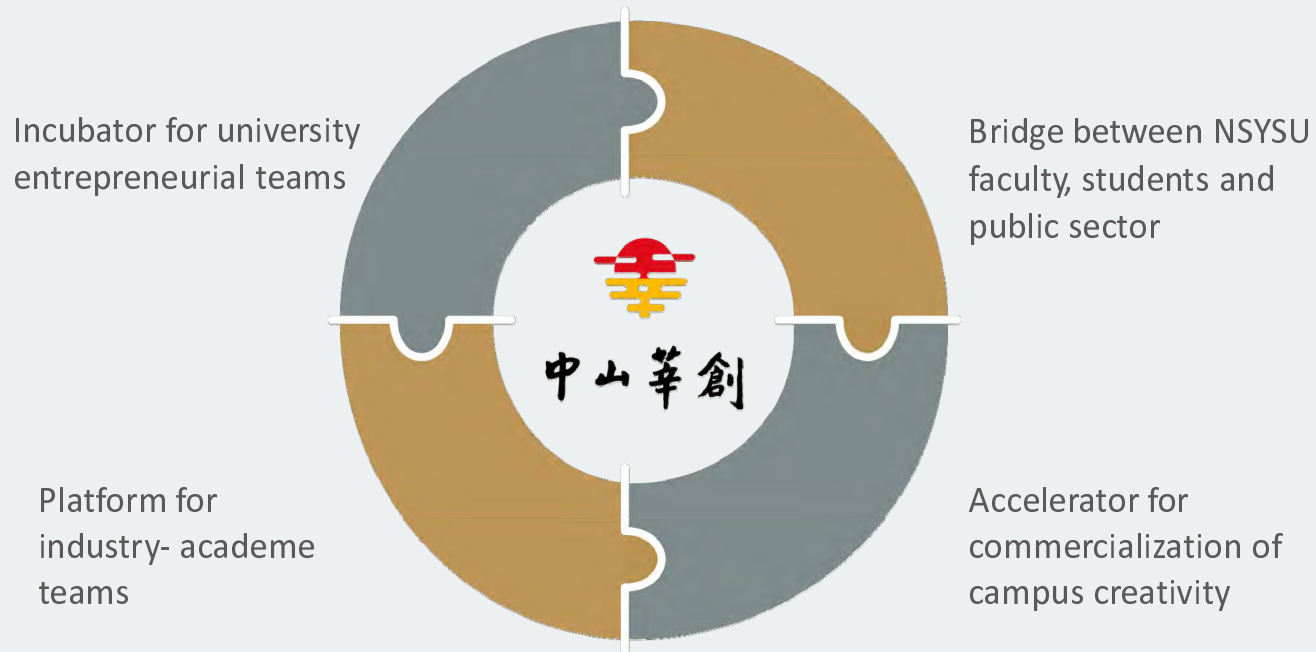


Invested US\$ 75,000 in 2017

National Nascent Micro-Ventures & Management

- | Founded on December 28th of 2017.
- | Established based on talent education, innovation and entrepreneurship.
- | Platform for Industry, University, Students.

Prospects



Industrial Liaison Office

As a reliable partner, the Industrial Liaison Office

- focuses on realistic demands of its members;
- foresees pioneering technology;
- utilizes resources of the alliance to provide suitable solutions to problems encountered during application.



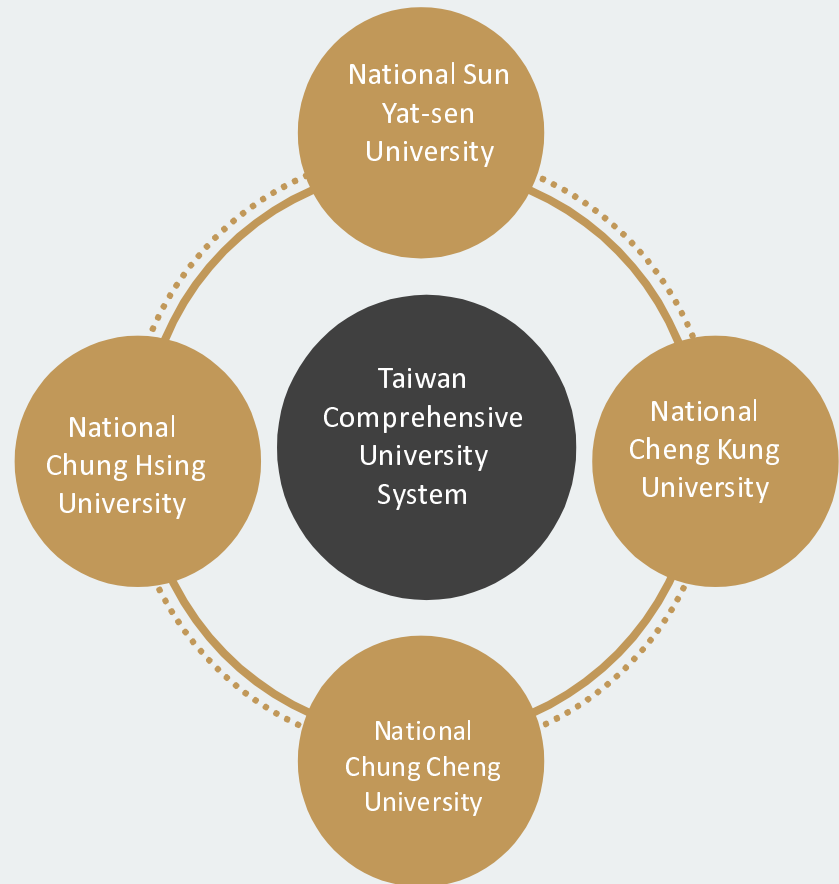
Strategic Partners

Taiwan Comprehensive University System (TCUS)

TCUS is a strategic alliance established in November 2012 among four national universities in central and southern Taiwan:

National Sun Yat-sen University,
National Cheng Kung University,
National Chung Hsing University,
and National Chung Cheng University.

TCUS facilitates integration of teaching and research resources between member universities and maximizes benefits to students and faculty members. Students enrolled in TCUS universities can take courses, participate in activities, lectures and benefit from the strengths of all four universities.



Strategic Partners

NSYSU-KMU Aim-for-the-Top Alliance

National Sun Yat-sen University (NSYSU) and Kaohsiung Medical University (KMU) Alliance was formed in 2012 on the basis of existing cooperation. The Alliance integrates resources of two universities to enhance teaching and research performances and to transform both universities into influential think tanks in the greater Kaohsiung area.

Kaohsiung Medical University

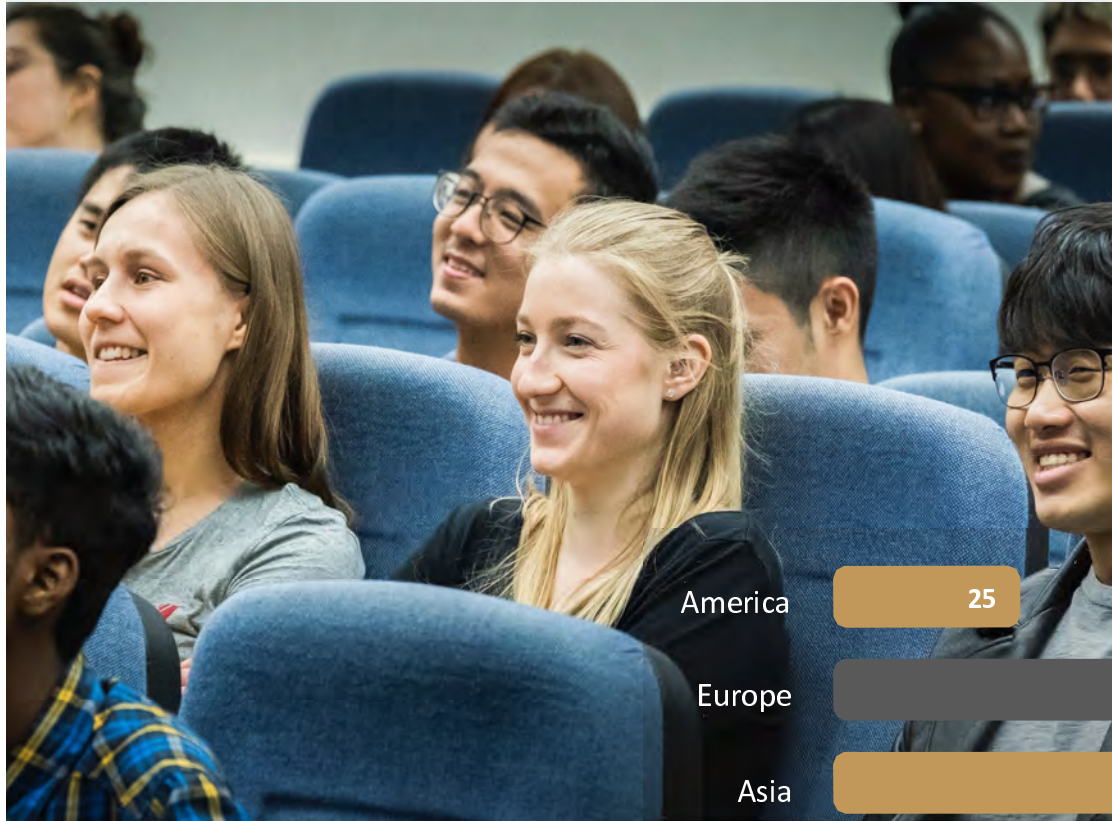
KMU was established in 1954 as the first private medical college in Taiwan.

Dual-Degree Programs:

- Uppsala University, Sweden
- University of Szeged, Hungary
- University of California, Irvine (UCI), USA
- Aix Marseille University, France
- Griffith University, Australia



International Partners



America

25

Europe

83

Asia

138

Oceania

4

250 Sister Universities in 41 Countries

International Accreditation



English Programs

Master Programs

- Asia-Pacific Affairs (IMAPA)
- Education and Human Development
- Telecommunication Engineering
- Electric Power Engineering
- Global Human Resources Management (GHRM)
- Business Administration Program in International Business (IBMBA)

Doctoral Programs

- International PhD Program for Science
- Education and Human Development



International Student Mobility

Dual Degree Programs

- 3+2 Bachelor + Master Degrees
- 1+1 two Master degrees

Exchange Programs

- 1-2 semesters study at partner institutions

Study Abroad Programs

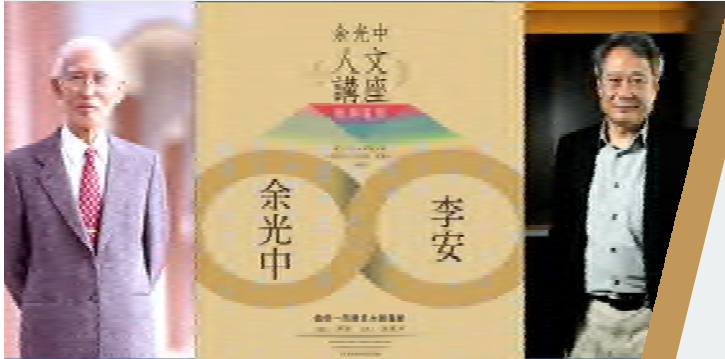
- 1-2 semesters study at non-partner institutions

Faculty-led Study Abroad Programs

- 1-2 weeks abroad at international institutions with lectures & company visits



Extensive Learning Experience



Talks

Talks by Professionals, Industry Experts, and Academia are enriching & rewarding experiences



Community-Involvement

The NSYSU International Team in the annual City Dragon Boat Race has become a Tradition!



Sports

Windsurfing and water sports are the features at our beachside campus

International Student Life

Buddy Program

Local students offer connections and guide in a new learning environment

Language Tables

Exchange experiences in a variety of languages

Cultural Trips & Activities

Experience culture & heritage in local communities around Taiwan





Local Impacts & Engagement



Equal Opportunity in Education

- Under-privileged students have the opportunity through the “Star Plan Program” in receiving financial aid for studies in NSYSU and abroad.



Social Responsibilities

NSYSU actively collaborates with Kaohsiung City Government & businesses in contributing to local developments:

- Academia-Industry Consortium of Kaohsiung Software Park
- Southern Taiwan Industry Promotion Center
- Southern Taiwan Job Fair
- Teaching Resource Center



Kaohsiung City

Industry

Kaohsiung is the third populated city with 2.77 million residents. The City has transformed from an industrial center with refining and shipbuilding industries to focusing on the semiconductor/photoelectric, digital- content, biomedical, cultural creativity, and tourism industries.

Climate

Kaohsiung has tropical monsoon climate with an average temperature of 25°C, with high of 35°C in July and low of 12°C in January. Rain and typhoon usually occur in the summer months of June - August.

Transportation

Kaohsiung is easily accessible by the international airport (KHH), high speed rail (THSR), TRA train, metro-rapid transit (KMRT), light rail (LRT), and Kaohsiung i-bus.



Source: Kaohsiung City Government

Office of International Affairs



Kaohsiung

Websites

Office of International Affairs
oia.nsysu.edu.tw



DEGREE PROGRAMS

oia.nsysu.edu.tw ➡ English
➡ Degree Program



EXCHANGE / VISITING PROGRAMS
exchange.oia.nsysu.edu.tw



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