



2021 Annual Report



藏行顯光
成就共好

Achieve Securely
Prosper Mutually



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成大人能在全球社群中清楚標記自己的價值，
成大人的知識文化與科技發明會在倫理的基礎上，
關注弱勢的需求、應用社會的發展，
進而連結成大人所在的城市、國家以及共同面對的未來。

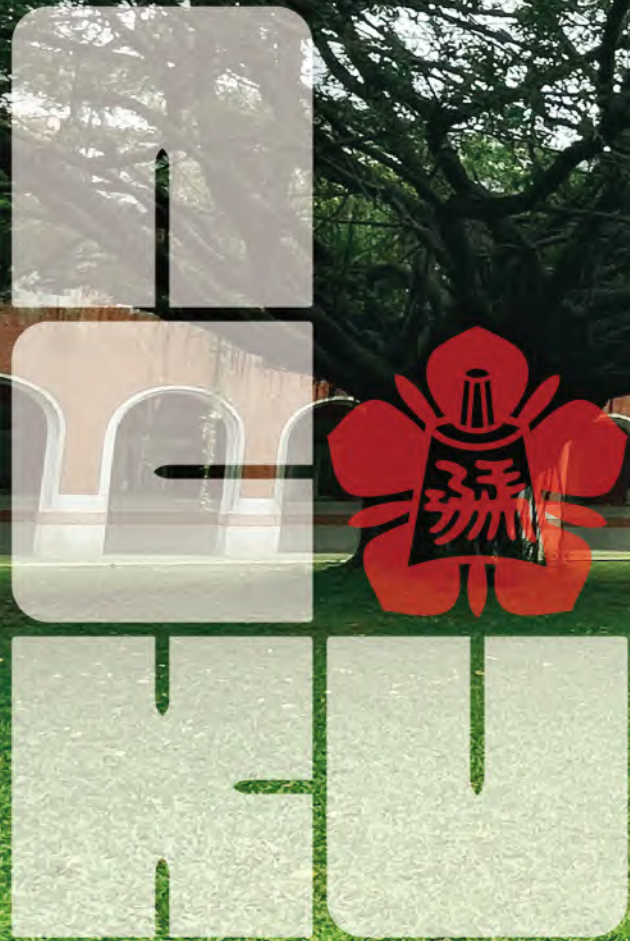
NCKUers clearly demonstrate their value within the global community. NCKUers, through technological inventions and a knowledge culture predicated upon an ethical foundation, care for the disadvantaged and contribute to the betterment of society, thereby connecting the cities and nations in which NCKUers prosper with the common future of humanity.

President
National Cheng Kung University (NCKU)

A handwritten signature in cursive script that reads "Huey-Jen Jenny Su".

Huey-Jen Jenny Su





> 1931
Establishment of
Tainan Technical College

> 1946
Taiwan Provincial College
of Engineering

> 1956
Taiwan Provincial
Cheng Kung University

> 1971
National Cheng Kung University

> 2001
Pursuit of Academic Excellence
- 70th anniversary

> 2006

| Stepping toward top university

> 2011
Top Taiwan University
- 80th anniversary

> 2021
Distinguished Asia-Pacific
Universit - 90th anniversary



2031
Global University of The Future - 100th anniversary

Our Vision

Building on the principles of educational innovation, excellence in research, and social responsibility, NCKU seeks to enhance the wellbeing of all human beings and strives to reach its goal of becoming a university of overall excellence in education, research, and social responsibility.

Our Mission

- Enhance the university's social responsibility and influence to further public interest
- Cultivate critical thinking, imagination, and empathy in students
- Stimulate industrial development to facilitate economic transformation and progress
- Participate in regional integration and governance to fulfill the university's social responsibility

Strategic Directions

- Deep integration of Educational Pedagogical Content Knowledge (E-PCK).
- Reformation of the educational model.
- Academic research that seeks truth and toil for good.
- Departure from the ivory tower through industry-academia-research collaborations.
- A borderless university integrated with the city of Tainan.
- Academics with human welfare at heart.



NCKU at a Glance

"Pursuit of truth through exhaustive reasoning" is NCKU's motto. NCKU comprises nine colleges: Engineering, Management, Liberal Arts, Sciences, Medicine, Social Sciences, Electrical Engineering and Computer Science, Planning and Design, and Bioscience and Biotechnology, with 43 undergraduate programs, 36 independent graduate institutes, and nine degree programs. As of December 2021, the university consists of 22,406 students and 1,328 full-time faculty, with the student-to-faculty ratio being 1:15.71. In terms

of research and publication, 32.9% of the papers published in NCKU are included in the world's top 10% journals, and 2.7% of our papers make up the world's top 1% journals, which demonstrates NCKU's excellent academic performance. In addition, when it comes to internationalization, the 2,117 international students enrolled in NCKU account for approximately 9.4% of our student body. Moreover, the number of international students and students that have studied abroad is increasing every year.

Student Faculty

- 01| **22,406** Students
- 02| **52.5%** Undergraduate students
- 03| **47.5%** Graduate students
- 04| **36.9%** Female students
- 05| **247** Student clubs

- 01| **1,328** Full-time faculty
- 02| **778** Part-time faculty
- 03| **25.4%** Female full-time faculty members

- 06| **15.71** Student-faculty ratio
- 07| **2,139** Financial aid students
- 08| **1,418** Language study students
- 09| **1,792** Tuition waiver students

- 04| **33.0%** Papers involve international cooperation
- 05| **32.9%** Papers are published in the world's top 10% journals
- 06| **2.7%** Papers are published in the world's top 1% journals

Internationalization

- 01| **2,117** International students
- 02| **832** International scholar visits
- 03| **325** International partner universities
- 04| **510** International agreements
- 05| **428** NCKU students have studied abroad
- 06| **70%** Departments and institutes have sent students abroad





Pursuing Excellence

NCKU ranks first on Cheers Magazine "Top 20 University Performance Growth Evaluation." Based on the mutual evaluation mechanism, the reasons for affirming and recommending NCKU include the following:

- Developing influential industry-academia and innovation curriculum, meeting regional-developmental-balance expectations of the government.
- Establishing the Miin Wu School of Computing, which is committed to the fields of smart computing, AI, and machinery.
- Maintaining close ties with industry, government, and academia, innovating modes of cultivating talents.
- Ranking 101 to 200 worldwide, while ranking first in Taiwan in the 2021 Times Higher Education World University Rankings.
- Actively participating in sustainable development by integrating the development of school affairs into university social responsibility and sustainable development goals and fulfilling social responsibilities of the university.
- Continuously improving international rankings and R&D capacity and actively linking alumni.



NCKU President Huey-jen Su (left) accepts Excellence Award from Cheers Magazine publisher Yun-peng Yin.

- Impressively performing research prosperity and industry-university cooperation mechanism.
- Productively carrying out innovation developments and teaching field establishments.



Global Ranking

- # 1 THE University Ranking in "Industry Income"
- # 101-200 THE Impact Ranking
- # 252 QS Worldwide
- # 601-800 THE Worldwide

Regional Ranking

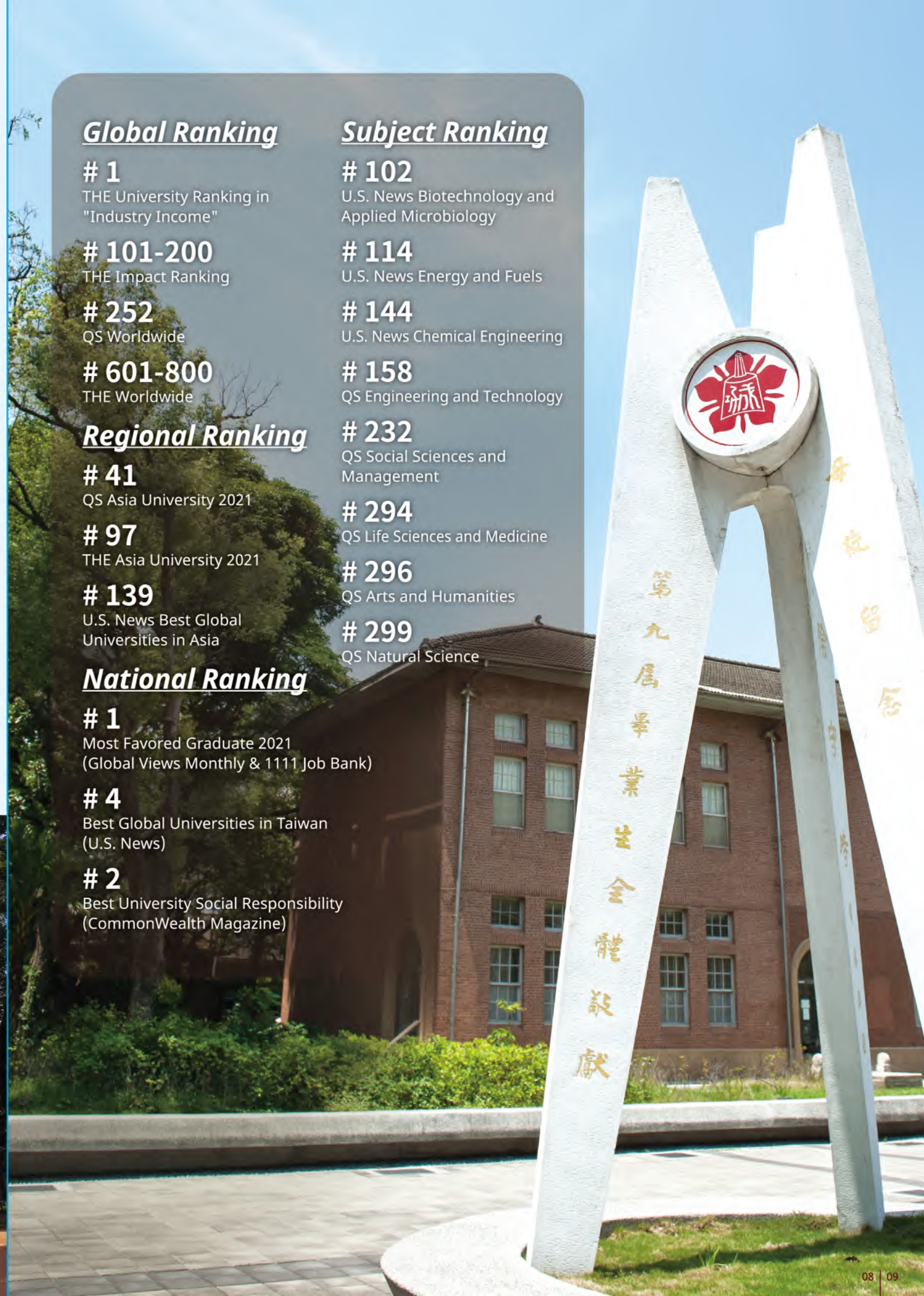
- # 41 QS Asia University 2021
- # 97 THE Asia University 2021
- # 139 U.S. News Best Global Universities in Asia

National Ranking

- # 1 Most Favored Graduate 2021 (Global Views Monthly & 1111 Job Bank)
- # 4 Best Global Universities in Taiwan (U.S. News)
- # 2 Best University Social Responsibility (CommonWealth Magazine)

Subject Ranking

- # 102 U.S. News Biotechnology and Applied Microbiology
- # 114 U.S. News Energy and Fuels
- # 144 U.S. News Chemical Engineering
- # 158 QS Engineering and Technology
- # 232 QS Social Sciences and Management
- # 294 QS Life Sciences and Medicine
- # 296 QS Arts and Humanities
- # 299 QS Natural Science



NCKU's 90th Anniversary



Alumni Night

NCKU held an outdoor Alumni Night at the Banyan Garden and Cheng Kung Lake, bringing together thousands of NCKU alumni to light up the university's night sky. The Alumni Night invited NCKU's choir club to sing the university song, connecting with alumni around the world online to witness together NCKU's glorious history. At the event, as a token of appreciation to the previous chair professors of NCKU and their contribution to the university, a letter of appointment for honorary chair professors was specially issued, as a tribute to the teachers for their effort and dedication to NCKU.



Cultural Heritage

Established in 1931, NCKU's history begins with the Tainan Technical College, where Wakatsuki Michitaka served as the first president of Tainan Technical College (now known as NCKU) from 1931 to 1941. 2021 marked NCKU's 90th school anniversary. To celebrate the occasion, we especially held "First President Wakatsuki Michitaka's Inauguration Ceremonial Dress Exhibition and Taiwan-Japan Exchange Meeting" to thank President Wakatsuki Michitaka for his contribution to NCKU, and further enhanced friendly relations between Japan and Taiwan.



Master Lectures

NCKU held the "Master Lectures in the Field of Medicine" and invited the previous Vice President Mr. Chien-Jen Chen and the "Father of Coronavirus" Dr. Michael M.C. Lai to give a speech at NCKU. Mr. Chen talked about "COVID-19 Epidemic Prevention and Economic Revitalization: Taiwan's Model of Success." Meanwhile, Dr. Lai gave the speech "The Hopes and Challenges of Overcoming the Coronavirus." Through the experience-sharing and forward-looking viewpoints of the two medical masters, students and teachers alike can broaden their horizons, bringing everyone to see a better future.



驅動時代的成功

給下一世代 人才備忘錄



A Memorandum for the Next Generation

We are regarded as the first university in the country to propose a talent initiative, publishing "A Memorandum for the Next Generation" on our school's 90th anniversary. We invited HR heads from 3,000 Taiwanese enterprises and 1,600 employees to provide their insights regarding the necessary qualities for the next generation talents. From different perspectives, the memorandum shares viewpoints on future talent cultivation and extracts the 7 core competencies crucial to facing future challenges, including Imagination, Agility, Critical mindset, Wisdom gathering, Competency, Vision, Mutual prosperity.



4 QUALITY EDUCATION



Passing on Values to the Next Generation

NCKU has collaborated with Matsu on the "Battlefield Turning, Translation, and Rebirth" program since 2020. NCKU joined hands with Matsu Liquor Factory Industry CO., LTD to release a limited number of "NCKU 90th Anniversary Wine". The wine bottle is made of recyclable and reusable materials, fully implementing the concept of recycling and sustainability. In addition, a series of books have been especially published to record the advancement of NCKU and the era, including the following:

- History of NCKU
- Glimmering into a Torch
- Memoirs of the department of urban planning in NCKU
- Thirty-Eight Years of Becoming the College of Medicine, National Cheng Kung University
- NCKU Mechanical Engineering Department's 90-Year History (1931-2021)
- Tracing Back Chemical Engineering (Continuation) - NCKU Chemical Engineering Department's History
- The Story of NCKU Chemical Engineers (One) - Alumni Interview Records



4 QUALITY EDUCATION

12 RESPONSIBLE CONSUMPTION AND PRODUCTION



National Intercollegiate Athletic Games at NCKU

Torch Flame Goes to Space

For the first time in history, the torch of the NIAG goes into space via the sounding balloon, in hopes that NCKU will carry on its proud history of 90 years and continue being a force that the world trusts. The NCKU sounding balloon combines technologies such as Global Atmospheric Forecast System (GFS) and Global Positioning System (GPS) tracking technology, through which the 2021 NIAG flame was converted into a smart LED flame by the NCKU President Huey-Jen Jenny Su.



Innovative Sports Event

The flames of the 2021 National Intercollegiate Athletic Games (NIAG) torch consist of "civil" and "martial" flames, which was kindled at the "Wen-Wu" (civil and martial) Temples in Tainan, at the altars in the Tainan Confucian Temple and the State Temple of the Martial God, respectively. A torch relay followed the kindling, with torch bearers passing through various historical sites within the city on their way back to NCKU and residing overnight at the NCKU Museum.

Smart Epidemic Prevention Technology

The 2021 was the first large-scale sports event in Taiwan in the post-epidemic era. NCKU launched the "2021 NIAG Smart Technology Epidemic Prevention Trilogy" through the intelligent facial recognition temperature measurement system, allowing the events to be successfully launched under the current condition of the epidemic. President of the Executive Yuan Tseng-Chang Su visited the university to inspect the NIAG's epidemic prevention measures and affirmed that NCKU's smart epidemic prevention technology system coincides with the Tainan City Government's smart city policy concept.

3 GOOD HEALTH AND WELL-BEING





8	陳偉瑋 成功大學
7	賴恩豪 成功大學
6	謝柏霖 成功大學
5	王冠閻 臺灣師大
4	王星皓 臺灣體大
3	林宗承 成功大學
2	陳聰霖 成功大學
1	陳蕙珊 成功大學



Revolutionary Sports Broadcasting Technologies

NCKU built three 5G smart venues for matches of the badminton, tennis, table tennis, and swimming. The intelligent system simultaneously captures flight trajectories and data of the racing drones from multiple angles, aided by the image stitching technology and high-speed transmission in the 5G field, and produces 3D playback highlights. It allows viewers to freely select parts of the competitions from any angle and freeze-frame or replay the game through their mobile phones while enjoying the new experience brought by 5G technology.



9 5G SMART VENUES AND INFRASTRUCTURE



Sports for All, Zeal for the Future

Competition disciplines of the 2021 NIAG include athletics, swimming, gymnastics, table tennis, badminton, tennis, taekwondo, judo, fencing, archery, weightlifting, shooting, boxing, karate, soft tennis, wrestling, woodball, and rugby. NCKU athletes won five gold medals at the 2021 NIAG, including men's athletics, men's tennis team, mixed doubles tennis, women's 67 kg taekwondo, and men's fencing.



5 ONLINE TOURNAMENT



T型人才 · 世界樞紐 跨界高峰論壇

國立成功大學 1931 達見天下文化



Talent Cultivation



T-Shaped Talents

4 QUALITY EMPLOYMENT

Facing the duty of higher education and social desirability, we utilize practical action with resource investment actively, focusing on cultivating "T-shaped talent," which is having a global perspective toward the issues around us. The letter T is composed of one horizontal line and one vertical line. The horizontal line represents depth, meaning the professionalism and capability in a certain field, whereas the vertical line symbolizes the ability to cooperate, big-picture-oriented thinking, and the capacity to learn new things. The letter T also represents "Talent," "Tomorrow," and "Taiwan."



Becoming the Power the World Believes In

4 QUALITY EMPLOYMENT

NCKU published the new book and documentary: "Becoming the Power the World Believes In." Through 14 outstanding NCKU alumni, the book conveys messages such as "advancing with time," "sowing," "courage," "sustainability," "vision," "ambition," "innovation," "commitment," "mutual benefit and win-win," and "protection," whereas the documentary includes interviews between 8 NCKU alumni and President Su Huey-jen, introducing to the audience the common value of "Achieve Securely, Prosper Mutually" that NCKUers share.



NCKU



2021高等教育國際論壇
2021 International Higher Education Symposium
90週年校慶國際鏈結系列活動

智匯鏈結 ENGAGE



ENGAGE: Next Generation Global Talent Cultivation Action Statement

4 QUALITY EMPLOYMENT

17 PARTNERSHIPS FOR THE GOALS

NCKU held the "2021 International Higher Education Symposium," bringing scholars and enterprises worldwide together to discuss prospects of higher education in the new era and share opinions on the new type of education in the post-pandemic era in reference to three aspects:

"future talents," "innovative learning," and "educational breakthroughs." The core concept of "ENGAGE: Global Talent Cultivation Action Statement for Next Era" can be divided into five action plans: Enhance, Guide, Advance, Gather, Elevate.



歲行顯光 · 成就共好
Achieve Securely · Prosper Mutually
國立成功大學
NATIONAL SUNG-SHAN UNIVERSITY



國家重點領域產學合作及人才培育創新計畫
國立成功大學 智慧半導體及永續製造學院
Academy of Innovative Semiconductor and Sustainable Manufacturing

Cultivating Interdisciplinary Talents

4 QUALITY EDUCATION 8 BRIGHT MINDS AND ECONOMIC GROWTH 17 PARTNERSHIPS FOR THE GOALS

The "Academy of Innovative Semiconductor and Sustainable Manufacturing (AISSM)" has partnered with 15 prominent companies in Taiwan to offer five degree programs: "Chip Design Degree Program," "Semiconductor Manufacturing Degree Program," "Semiconductor Packaging and Testing Degree Program," "Key Materials Degree Program," and "Intelligent and Sustainable Manufacturing Degree Program." Students can opt for more practical-oriented

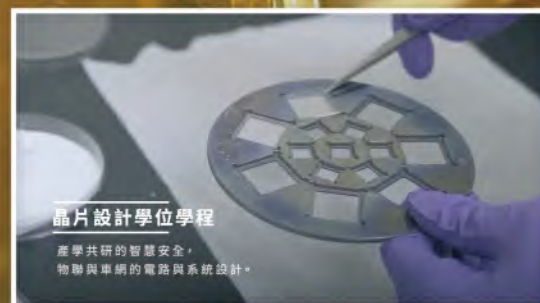
research topics through collaborative programs with the enterprises, in collaboration with the university's College of Electrical Engineering & Computer Science, Engineering, and Science, and cross-domain research energy in AI, sustainable energy, smart machinery, smart manufacturing, circular economy, carbon neutrality, nanomaterials, quantum computing, and big data.



Interdisciplinary School of Computing

4 QUALITY EDUCATION 8 BRIGHT MINDS AND ECONOMIC GROWTH 17 PARTNERSHIPS FOR THE GOALS

The "Miin Wu School of Computing" has a degree program with a perfect matching mechanism and operating model to reach the interdisciplinary goals. In 2021, the school and National Institute of Technology, Kagawa College (NITKC), have signed an academic exchange program, faculty visiting program, teaching and lab program, research and technology development program, and practical curriculums of robotics and artificial intelligence for strengthening students' cross-border cooperation and practical experience.



晶片設計學位學程
產學共研的智慧安全，
物聯與車網的電路與系統設計。



智慧與永續製造學位學程
推動智慧半導體製造技術，
降低能源消耗與永續製造。



關鍵材料學位學程
新材料開發，拓展半導體新領域。



半導體封測學位學程
克服封裝與封裝技術挑戰，
實現超薄、小尺寸、高功能、IC1產品。



半導體製程學位學程
掌握前段製程技術與設備，
引領半導體製程智慧化。



MOST Outstanding Research Award

The Ministry of Science and Technology (MOST) has established the Outstanding Research Award to recognize scientific and technological talents who have made outstanding research performance. The award is to encourage talents to devote themselves to a career of fundamental or applied research to improve the level of Taiwan's academic research and academic status in the international community.



Fong-Chin Su

Distinguished Professor
Department of Biomedical Engineering



Prof. Su was inducted into Medical and Biological Engineering Elite by the International Academy of Medical and Biological Engineering and American Institute for Medical and Biological Engineering in 2013 and 2016, respectively. He was elected by peers and members of the College of Fellows for fundamental and outstanding contributions to the understanding of hand biomechanics and the development of medical devices. He served as Co-Editor-in-Chief of Biomedical Engineering OnLine (2014-2020) and Co-Editor-in-Chief of Journal of Medical and Biological Engineering (2015-2020).

Chih-Lung Lin

Distinguished Professor
Department of Electrical Engineering



Prof. Lin has been devoting himself to the scientific research in the fields of flat-panel displays (FPDs) and bio-system applications for years. His research focuses on pixel circuits for AMOLED, AMLCD, Mini/Micro LED, optical sensors for FPD applications, IoT based on embedded systems combining machine learning algorithms, and AR/VR for smart healthcare applications. He proposed the first feedback structure to sense the turn-on voltage of OLED for addressing the OLED aging phenomenon of AMOLED displays, gradually increasing the driving current of the pixel circuit to alleviate luminance degradation.



Hong-Hwa Chen

Distinguished Professor
Department of Life Sciences



Prof. Chen is the Director of the Orchid Research and Development Center, aiming to continue the reputation of "The kingdom of orchids: Taiwan." Phalaenopsis orchids are Taiwan's important cash crops. Since 1996, Prof. Chen has engaged in the genome sequence research on the floral shape, color, and fragrance of the Phalaenopsis. Phalaenopsis bellina has a fascinating fragrance that attracts people's attention. She analyzes its fragrance components and identifies its biosynthetic pathways, crucial enzymes, and performance regulation.




Chung-Chan Hung

Distinguished Professor
Department of Civil Engineering



The objective of Prof. Hung's research is to develop durable and sustainable concrete infrastructures. He is particularly interested in the development of advanced cement-based materials and earthquake-resistant RC structures. To investigate his research problems, he applies materials and large-structural tests, hybrid tests, and computational modeling techniques. He is a research fellow at the National Center for Research on Earthquake Engineering in Taiwan. He is Chair of the Committee on International and Cross-Strait Affairs for Taiwan Concrete Institute.






Cheng-Ta Yang

Distinguished Professor
Department of Psychology



Prof. Yang specializes in cognitive and mathematical psychology. He was elected as a fellow of the Psychonomic Society. He established the Visual Cognition and Modeling Laboratory and the Virtual Mind Laboratory, which explore the operating mechanism and individual differences of human cognitive processes, such as attention and perceptual decision-making. His academic research has received domestic and foreign recognitions, such as the 110th year MOST Outstanding Research Award and the Society for Mathematical Psychology Outstanding Paper Award.



Yu-Lung Lo

Distinguished Professor
Department of Mechanical
Engineering



Prof. Lo is the Associate Dean of the College of Engineering and the Academy of Innovative Semiconductor and Sustainable Manufacturing at NCKU. His research interests focus on 3D printing on metal powder, biophotonics, optical methodology, and solid mechanics. He has been devoting himself to the scientific research in the field of additive manufacturing for years. Recent research topics are related to using optical fringe detection technology to simultaneously measure the profile of the 3D printed layer and its surface roughness and using polarimetry to measure glucose concentration of human beings.




Yao-Ting Wu

Distinguished Professor
Department of Chemistry



Prof. Wu explores various polycyclic aromatics with unique structures and properties that provide new and useful information for molecular design, organic synthesis, and development of organic materials.



Shu-Lan Hsieh

Chair Professor
Department of Psychology



Prof. Hsieh specializes in exploring the relationship between the brain and behavior, primarily focusing on the cranial neural basis of high-level cognitive control. She has been devoting herself to the scientific research in the fields of cognitive control, aging, sleep, and emotion for years. Currently, her research aims at the task switching mechanism of executive function, the source of multiple task deficits, cognitive inhibition, and the process of error monitoring.

HISTORY OF NCKU

Yushan Program Scholars

The Yushan Program aims to assist higher education institutions in Taiwan in attracting the world's elite by providing internationally competitive salaries and benefits so that their expertise can take root in Taiwan's academic environment and increasing the international impact of Taiwan's higher education.



Li-Fan Liu



Visiting Professor
Department of Hydraulic
and Ocean Engineering

Prof. Liu is a member of the National Academy of Engineering (NAE) in USA, an Academician of Academia Sinica in Taiwan, a fellow of the American Geophysical Union (AGU), and a Distinguished Member of the American Society of Civil Engineers (ASCE). He is an internationally recognized, frontline researcher in the fields of water wave theories, tsunamis dynamics, wave-breaking processes, sediment transport processes, and interactions of water waves with structures.

Alain Brossat

Visiting Professor
Department of History

Prof. Alain Brossat is an Honorary Professor of the Department of Philosophy at the Université Paris VIII. In 2013, he published the Chinese book "Michel Foucault: Un philosophe dangereux." His research interests focus on contemporary French philosophy and cultural and intellectual decolonization. In addition, he is dedicated to rethinking the value of democracy and deeply exploring the problems of subjectivity, such as immigration and lower-class people.



Yi-Jui Wu

Associate Professor
Cross College Elite Program



Prof. Wu's current research projects focus on the transnational histories of mental health. His first book, Mad by the Millions: Mental Disorders and the Early Years of the World Health Organization, was published in 2021. In addition to historical research, he is also interested in commenting on and critiquing humanities pedagogy in medical education. Before joining NCKU in 2021, he taught at Nanyang Technological University and the University of Hong Kong, where he led medical humanities programs of two schools of medicine.



Wen-Hui Cheng

Assistant Professor
Department of Materials
Science and Engineering



Prof. Cheng has extensive experience with semiconductor nanofabrication and material characterization, in addition to optical simulations and device physics. She has made an integrated device for splitting water through sunlight to make hydrogen fuel and demonstrated a gas diffusion electrode for CO2 reduction to generate CO from solar energy, both with record efficiencies at the time. As a material scientist, her research interests include manipulating light to assist chemistry for energy application and engineering structure for optoelectronics.



Ming-Yan Fan

Assistant Professor
Department of Electrical Engineering



Prof. Fan's research on low-power integrated circuits significantly boosts energy efficiency of environmentally-friendly microelectronics, which will become integral to human society. In addition, his research aims to stimulate the interest of global engineering societies since it incorporates broad topics from device physics, circuit design, and ubiquitous applications that will incorporate a silicon chip. The ultimate goal is to engineer a better world by enhancing the energy efficiency of silicon chips and reducing the need for carbon-based fuel dependence.



Columbus and Einstein Program Scholars

The goals of the Einstein Program and Columbus Program are to provide sufficient research resources to young scholars and encourage them to attempt bold and creative research to produce breakthrough results and attract global excellent talents to participate in Taiwan academia to boost the development of science and technology.



Shih-Hao Huang

Assistant Professor
Department of Political Science



Prof. Huang is the first political scientist awarded the MOST Young Scholar Fellowship-Columbus Program. His research focuses on legislative politics, party politics, political economy, and comparative political institutions. His current research project investigates the relationship between political institutions and industrial automation from three dimensions: the motivation of industries to adopt automation, the positions of political elites over automation and the public attitudes toward automation. In addition, he is dedicated to applying natural language processing, machine learning, and deep learning in studies of parliamentary queries and media polarization.



Chia-Hsin Liu

Assistant Professor
Cross College Elite Program



Prof. Liu's research interests include classical Chinese literature, East Asian cultural history, and Buddhist culture. In recent years, she has also focused on the development of the localization issues of the Ming and Qing's Ōbaku-shū monks after migrating to Japan, including the examination of religious thought, literature, culture, and social activities.



Sheng-Heng Chung

Assistant Professor
Department of Materials
Science and Engineering



Prof. Chung is an Assistant Professor at the Department of Materials Science and Engineering, National Cheng Kung University, and a researcher at the Hierarchical Green-Energy Materials Research Center. His current research topics are related to rechargeable electrochemical batteries, including the development and synthesis of energy materials, the design and fabrication of cell components, and the assembly and performance study of various battery systems. He has over 10,000 citations and contributes over 1,000 verified paper reviews.

Chun-Yi Lin

Assistant Professor
Department of Chemistry



Prof. Lin's research interests are synthetic inorganic chemistry for magnetism, materials, and catalysis. He is currently working on exploring how molecules behave under extreme conditions. Recent research topics are related to nuclear-spin-pattern control of electron-spin dynamics in a series of V(IV) complexes and counterion influence on dynamic spin properties in a V(IV) complex.



Highly Cited Researchers

Clarivate, a global leader in providing trusted information and insights to accelerate the pace of innovation, recognizes true pioneers in various fields over the last decade, demonstrated by the production of multiple highly cited papers that rank in the top 1% by citations for field and year in the Web of Science.

Wei-Hsin Chen

Distinguished Professor
Department of Aeronautics
and Astronautics



Prof. Chen's research interests are bioenergy (torrefaction, gasification, pyrolysis, and lignocellulosic biomass), hydrogen energy (hydrogen production, separation, and purification), clean energy (clean coal technology, pulverized coal injection, CO₂ capture, thermoelectric system, ironmaking, and wind power), energy system (UAV energy application, system automation, thermoelectric system, system optimization, artificial intelligence and evolutionary computing, and big data analysis), and atmospheric aerosol science. He has made significant contributions to biomass roasting technology and currently serves as the editor of several international journals.



Tay-Rong Chang

Associate Professor
Department of Physics



Prof. Chang has expertise in first-principles simulation, ab initio tight-binding modeling, topology/symmetry analysis, and Green's function techniques. His primary research interest is searching for novel topological materials and low dimensional materials that can be potentially used for next-generation spintronics and quantum computations.

Jo-Shu Chang

Chair Professor
Department of Chemical
Engineering



Prof. Chang is a fellow of the American Institute for Medical and Biological Engineering (AIMBE). He is an internationally renowned expert in the field of microalgae technology and biochemical engineering with over 20 years of R&D experience and fruitful academic achievements (more than 600 papers in the SCI journal and 50 patents). He was selected as one of the Highly Cited Researchers for three consecutive years (2019-2021). Currently, he is the Convenor of Negative Carbon Technology Project Working Group of the Executive Yuan, assisting the government in promoting Taiwan's 2050 net zero emission policy.



Highly Cited
Researcher
2021

Clarivate™



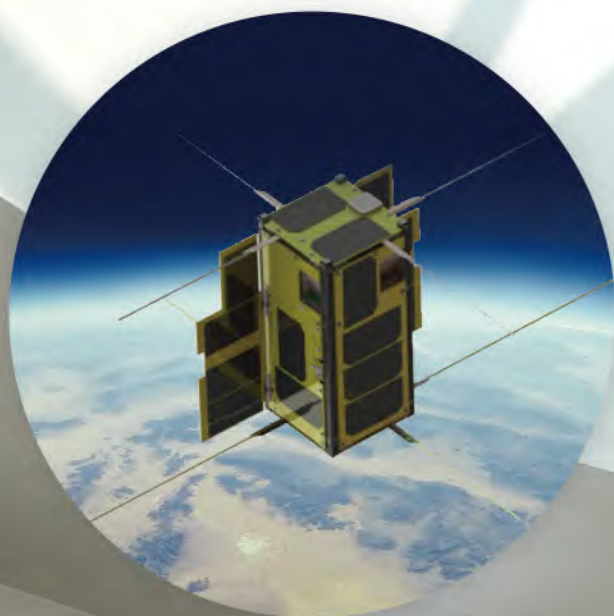
Wen-Chien Ko

Professor
Department of
Internal Medicine



Prof. Ko is an infectious disease specialist and mainly works on the pathogenesis, clinical manifestations, antimicrobial resistance, and antimicrobial therapy of human major bacterial pathogens, including *Klebsiella pneumoniae*, *Aeromonas*, and *Clostridioides difficile*. At the initial surge of COVID-19, he and his collaborators summarized the epidemiology, disease profile, and pharmacological potential of SARS-CoV-2 infections to provide early limited but useful information on the sustained and persistent pandemic.

Research and Development



Aeronautics and Astronautics

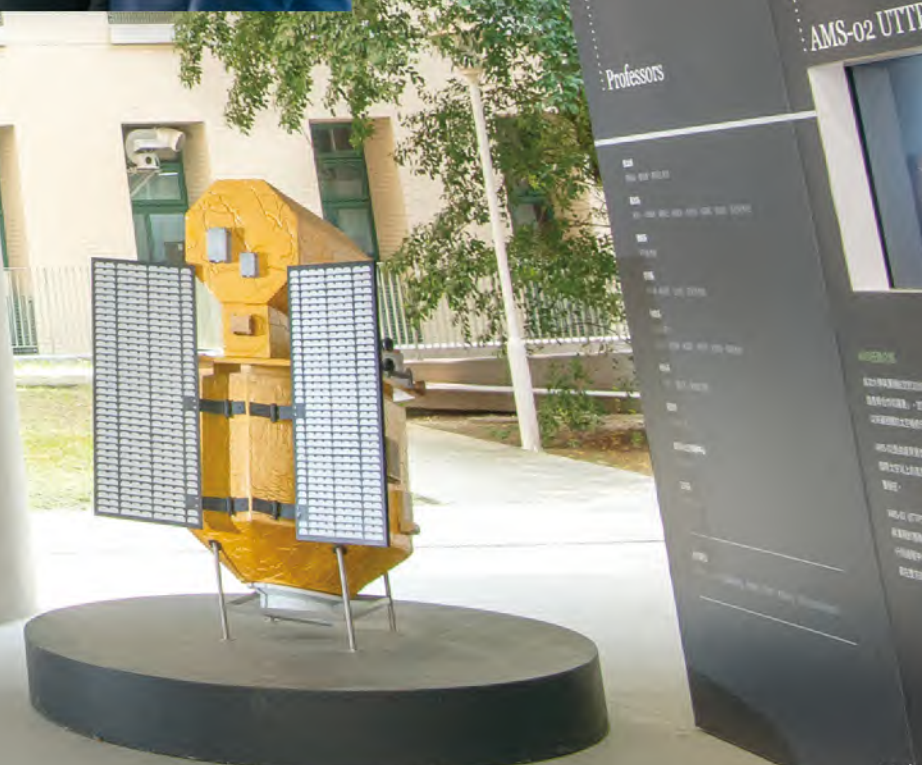
90: A Story of NCKU Space

The "90: A Story of NCKU Space" exhibition collects important results from NCKU Colleges of Science, Engineering, Electrical Engineering, and Computer Science, from 1972 to 2021. Currently, the NCKU team is responsible for the research and manufacturing of the science payloads "Dual-band Imager of Atmospheric Transient (DIAT)" and "Electron Temperature and Density Probe (TeNeP)" for FORMOSAT-8, which is one of the priority missions from the 3rd phase of the "National Space Technology Long-Term Development Program" in Taiwan. In the future, the technology could be applied to research on lightnings and ionosphere and is scheduled to be launched in 2023 by the US firm SpaceX.



IRIS-A CubeSat

Developed the "IRIS-A" CubeSat has been successfully carried and launched into space by the SpaceX Falcon 9 on the night of January 13, 2022, in Florida, USA. The satellite's name, IRIS, stands for "Intelligent Remote sensing and Internet Satellite," with both intelligent telemetry and Internet of Things (IoT) functions. Located on the 500 km altitude, the IRIS-A CubeSat is estimated to be in motion for about 6 to 7 years under normal operation. Its mission is to demonstrate the IoT communication technology in space, and at present, the tracking data, satellite positioning information, and status data of the CubeSat are obtainable.






**GOOD DESIGN
 AWARD 2021**

Industrial Design

Designed by a joint team of students and faculty from NCKU's Department of Industrial Design, Bandera UTV (Utility Terrain Vehicle) won Japan's "2021 Good Design Award." This is also the first time Taiwan has emerged victoriously in a competition through the industrial design department of a university, selected as the champion among 5,835 works submitted globally. The car is developed with the purpose of PSR (Play/Survive/Rescue), representing "entertainment, survival, and rescue." It has three indicators: innovation, value, and mobility, with the exterior design integrating the sturdiness and durability of military weapons and the low, flat exterior model of passenger sedans. Furthermore, the car incorporates a mobile 5G base station and storage space for drones, complete with solar panels installed on the roof for power supply and charging purposes.



4 QUALITY EDUCATION **9** INNOVATION AND INTERDISCIPLINARITY

Naval Engineering

A team of students from NCKU's Department of System and Naval Mechatronic Engineering developed the first human-powered submarine in Taiwan, which was self-designed and produced under the guidance of professors and the industry's engineers. The hull of the submarine is made of glass fiber-reinforced plastic. The driver needs to wear a wetsuit and breathe through an oxygen bottle while driving the stem propeller with manual stepping and then sail by wire-based control of the airfoil. This human-powered submarine will represent the Asian team in the UK to participate in the "Europe International Submarine Races 2022 (eISR)," which is hosted by QinetiQ and Institute of Marine Engineering, Science and Technology (IMarEST).



4 QUALITY EDUCATION **9** INNOVATION AND INTERDISCIPLINARITY

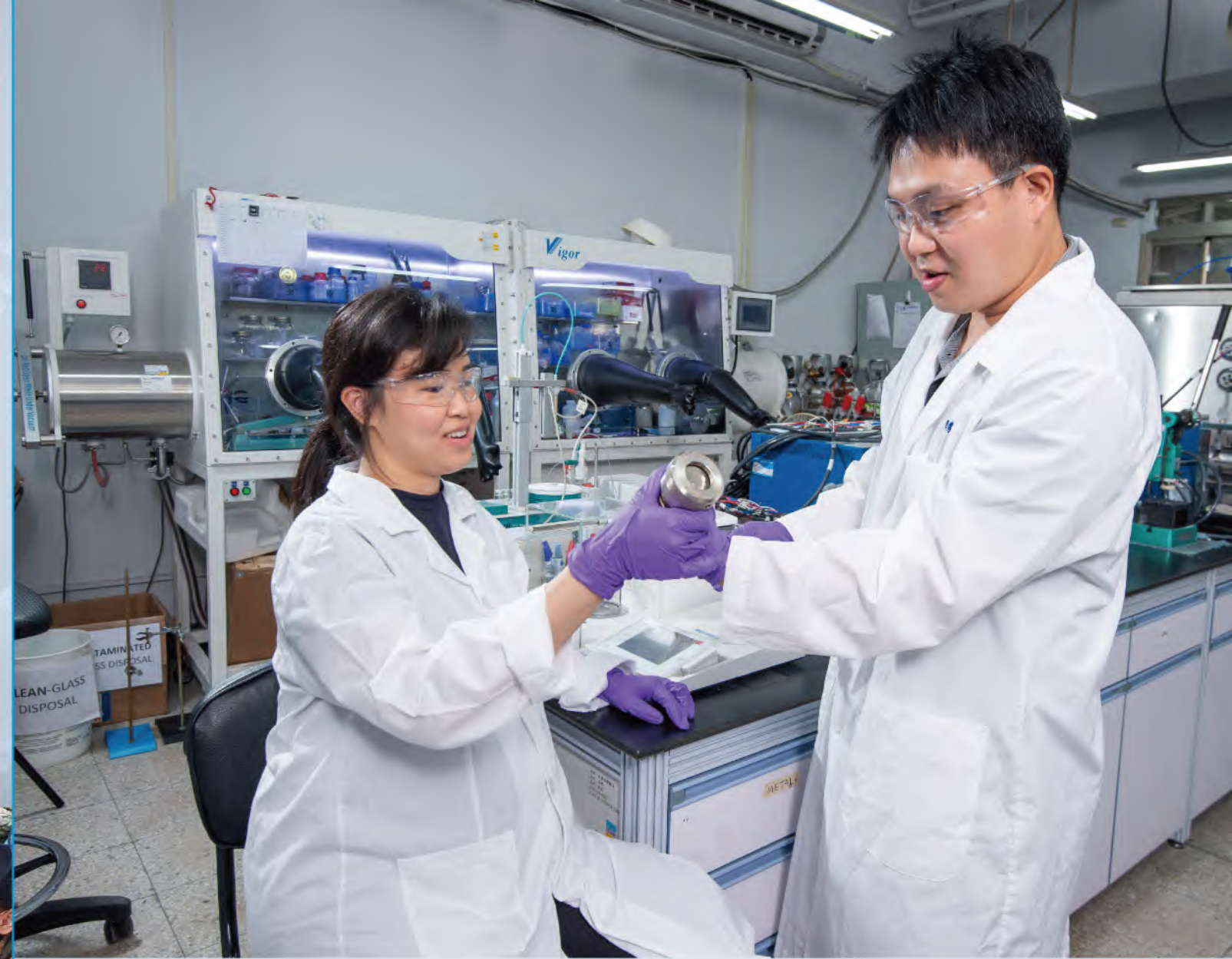


Life Science

14 LIFE SCIENCE RESEARCH



NCKU'S "Marine Biology & Cetacean Research Center (MB&CRC)" was established to rescue, conserve, and conduct scientific research on marine life animals. As of today, the research center has rescued over 90 live stranded cetaceans. Among them, nine cases were successfully released back into the ocean. In addition to the rescue of live stranded cetaceans, the research center investigates the pathology and causes of death of stranded cetaceans and then provides this evidence to government units to improve the marine conservation policy and practice. We especially recorded the rescue and daily tasks of the MB&CRC team into the microfilm "The Only Cetacean Research Center in Taiwan: A Phone Call Starts the Rescue Mission." This microfilm was selected as one of the top ten sustainable microfilms in 2021 by Taiwan Institute for Sustainable Energy (TAISE).



Green Energy Materials

7 MATERIALS AND CHEMISTRY 9 ENERGY STORAGE AND CONVERSION

NCKU'S Assistant Professors Watchareeya Kaveevitvachai from the Department of Chemical Engineering and Teng-Hao Chen from the Department of Pharmacy collaborated with international scholars from various disciplines in developing high-efficiency lithium batteries and carbon capture technology. The patents have been applied for their research, contributing to the development of environmental sustainability and green energy technology. Kaveevitvachai's team deeply explored the reaction mechanism of organic electrode materials during charging and discharging. The results of the research were published in the international journal *Advanced Energy Materials*. Chen's team developed a new material that could be used to capture carbon dioxide, in which organic crystalline porous material is applied to the Pressure Swing Adsorption (PSA) gas separation technology.

This research result was chosen as the cover story of the international journal *Angewandte Chemie - International Edition*.





Biotechnology

2 TEAM MEMBER | 8 BREEDING MONTH AND FEEDING CYCLE | 14 LIFE CYCLE WEEK

Professor Chen Tzong-Yueh's team from the Department of Biotechnology and Bioindustry Sciences spent more than three years developing a fully automatic "Fish Breeding Intelligent Production System." This system won the "2021 Future Tech Award" of the Ministry of Science and Technology. Currently, one photoelectric company has signed a deal, while three other companies are in talks to transfer the fish breeding intelligent production system technology. The major feature of the

system is its complete automation in detecting the size of fish fry and water quality and producing appropriate feed, such as algae and food organisms. The system saves 60% of manpower and 40% of production costs and increases the breeding rate of seedlings by 10 times to a steady 3%-5% as compared to traditional breeding methods.



FUTURE TECH AWARD

Fish Breeding Intelligent Production System | 智慧魚苗生產系統 |



Biochemistry

3 GOOD HEALTH AND WELL-BEING | 9 HUMANITY, SUSTAINABILITY AND IMPROVING LIFE

Due to the increasing worldwide prevalence of chronic stress-induced depression (CSID), NCKU iGEM team were inspired and dedicated to create "MenTAUR," a novel and accessible solution to this urgent problem. Menbles are edible bubbles containing their engineered *E. coli* Nissle, which aims to alleviate CSID by producing taurine when it senses a high concentration of *IFN-γ* and oxidative stress. The main ingredient of Menbles is sodium alginate, which can resist degradation in environments with low pH. Taurine and its metabolites play a significant role in chronic intestinal inflammation, which could inhibit deterioration of CSID by gut-brain axis. This invention won the

gold medal in the "2021 International Genetically Engineered Machine Competition (iGEM)" and was nominated for the Best Hardware Design Award, Best Education Award, and Best Sustainable Development Impact Award.



Contributions to Medicine



國立成功大學醫學院附設醫院老人醫院暨
高齡醫藥智慧照護發展教育中心
新建工程動土典禮
National Cheng Kung University
Geriatric Hospital Groundbreaking Ceremony

First Geriatric Hospital in Taiwan

3 GOOD HEALTH AND WELL-BEING 8 DECENT WORK AND ECONOMIC GROWTH 9 INDUSTRY INNOVATION AND INFRASTRUCTURE

NCKU proposed the construction plan of the first “geriatric hospital” in Taiwan. An investment of nearly NT\$4.6 billion will be allocated to building a community-based integrated care hospital for the elderly without walls. The so-called “wall-free” feature, internally, refers to system integration across divisions, whereas, externally, it deals with telemedicine and AI usage to break down barriers that limit services to only being available inside the hospital and extend them to the community and home care by introducing smart medical modules. By providing instant medical decision-making services through big data and AI technologies, all age groups can receive comprehensive and high-quality care. The geriatric hospital is a regional teaching hospital with 12 floors aboveground and five levels underground with approximately 450 beds, estimated to be completed by 2025.



Shalun Medical Service and Innovation Hub

NCKU collaborates with the Tainan Government in establishing the “Shalun Medical Service and Innovation Hub.” This hub is the first science hub in Taiwan to use medical service innovation and the biomedical industry as its theme, and its construction is expected to start in the second half of 2022. NCKU hospital will construct a new branch in the said area, which will increase the region’s medical service capacity by 160% and boost the growth of the

medical and health technology industry. In addition to the Shalun Hospital, “South Taiwan’s Children Medical Center,” “Taiwan New Southbound Health Training Center,” and “Technology Data Center” will be set up in the hub to improve children’s medical capacity, international epidemic-related research, and the development of precision medicine.

3 GOOD HEALTH AND WELL-BEING 8 DECENT WORK AND ECONOMIC GROWTH 9 INDUSTRY INNOVATION AND INFRASTRUCTURE



沙崙智慧綠能科學城_全區進度

Shalun Medical Service and Innovation Hub

- 智慧測試實驗室 2019.02啟用
- 休閒廣場(三井outlet) 2022.02開幕
- 智慧綠能循環住宅園區 2021.07開始入住
- 教育 沙崙國中K-12雙塔學府 2022.05動工
- 中研院南部院區 第一棟2020.12動工 第二棟2022.05動工
- 會議中心 2022.04開幕
- 醫藥創新園區 2021.12完成先導計畫
- 醫安醫智醫科技產業研發專區 2020.12完工

國立成功大學 行政 院長 國立成功大學 務與創新



Driving a Sustainable Future



Achieving Carbon Neutrality

7 AFFORDABLE AND CLEAN ENERGY

NCKU's Hierarchical Green-Energy Materials Research Center (Hi-GEM) has set up Taiwan's first large-scale battery manufacturing laboratory with dry rooms, in situ electrochemical analysis supported by simulations, and pouch cell assembly line, which meets international standards. This laboratory collaborates with the Northeast Chemical Energy Storage Center (NECCES), as well as Europe's and Japan's advanced national laboratories. The project promotes the United Nation's sustainable

development goals (SDGs), which are preserving a sustainable environment with carbon neutrality for the next generations. Hi-GEM has established a high-performance computing cluster with multiple server nodes to meet the highest demand of data processing requirements with high security. This device aids in designing and screening the novel green-energy materials, thus accelerating the development of new materials.



四方合作備忘錄簽署
MOU Signing Ceremony



EUROPEAN CHAMBER OF COMMERCE TAIWAN
歐洲在臺商務協會
歐洲在臺商務協會

Low Carbon Initiative

7 AFFORDABLE AND CLEAN ENERGY 13 CLIMATE ACTION 17 PARTNERSHIPS FOR THE GOALS

NCKU and the Shalun Innovation Alliance jointly held the "2021 Tainan Low Carbon City Conference" together with the European Chamber of Commerce Taiwan (ECCT). With the theme of Public Private & Academic Partnership (PPAP) for a sustainable future, NCKU, SIA, ECCT, and Tainan City Government signed a memorandum of understanding (MOU), promising to collaborate in realizing sustainable development with joint efforts from the academia,

government, and industry. NCKU's carbon neutral pilot factory was developed using key technologies and market applications developed by NCKU. The factory is able to capture and purify carbon dioxide into a resource for petrochemical materials and is divided into two sections: CO2 capture and purification and purified CO2 alkylation for reuse.





The Global Research Group – Asia SDGs

"The Global Research Group – Asia SDGs" is initiated by NCKU with the support of WUN. The research group aims to promote, implement, study, and compile the best SDG-related practices and commits to facilitating and inspiring more in-depth and thought-provoking case studies of SDG practices in Asia. Currently, the research group has a total of 11 collaborative SDGs research projects run by 58 researchers from 20 institutions across 11 countries, focusing on four different SDGs, including SDG 3 Good Health and Well-being, SDG 6 Clean Water and Sanitation, SDG 7 Affordable and Clean Energy, and SDG 13 Climate Action. This research group brings together members of the WUN network and institutions in Asia to realize greater benefits and positive impacts of SDGs as well as fulfill USR.



USR Implementation

University Social Responsibility Projects



In the "2022 University Social Responsibility (USR) Award" held by *Global Views Monthly*, NCKU won the most 2022 University Social Responsibility (USR) Awards of any college in Taiwan, namely, "Comprehensive University Performance," "Accompanying 2026 - Aging Life Micro-Community Action Network," "International Nursing Talent Cultivation: Exemplary Construction, Mutual Practice," and "The Trilogy of Slash Life." The "Accompanying 2026 - Aging Life Micro-Community Action Network" project has established many micro-communities to support the elderly life sector, develop an independent life in the elderly society, and set a new work pattern to assist the super-aged society and talent training mechanism. The "International Nursing Talent Cultivation: Exemplary Construction, Mutual Practice" program promotes Taiwan's medical prowess by launching the Asia-Pacific Nursing Alliance, making NCKU a platform for international

nursing academic exchanges, and has won the International Nursing Association Policy Innovation Contribution Award. "The Trilogy of Slash Life" program provides logic training and education for high school students so that students can better contemplate and identify their future career plans.





NCKU Syun-Huei Lecture Hall

UMC - NCKU Syun-Huei Lecture Hall

4 QUALITY EDUCATION 9 INDUSTRY INNOVATION AND INFRASTRUCTURE

The Syun-Huei Lecture Hall of NCKU's Department of Electrical Engineering was renovated with donations from the United Microelectronics Corporation. The new Syun-Huei Lecture Hall introduces hardware technology that synchronizes the virtual world and reality and has the functions of interactive teaching, exhibition, and simultaneous multi-hall conferences. With equipment and an environment

that conforms to international standards and a capacity of 228 people to participate in conferences synchronously, this is NCKU's unique high-standard international conference hall that meets the needs of various online meetings and lectures and improves the quality of long-distance cross-border communication.



Quanta - NCKU Joint AI Research Center

3 GOOD HEALTH AND WELL-BEING 4 QUALITY EDUCATION 9 INDUSTRY INNOVATION AND INFRASTRUCTURE 11 SUSTAINABLE CITIES AND COMMUNITIES

NCKU links Quanta's advanced AI manufacturing technology with powerful teaching resources, strengthens the power of both parties in scientific and technological research, engineering research and development, design, and production, and forms an AI cloud integration team that meets national-level applications. Through the added value of AI and big data analysis, the development

of smart medical care, smart agriculture, and smart cities will be promoted. Quanta donated a set of approximately six million ultra-high-performance Quanta AI servers to the school, making NCKU the university with the highest AI computing capability among all Taiwanese universities.



NCKU Joint AI Research Center

Innolux - NCKU Medical Imaging Center

3 GOOD HEALTH AND WELL-BEING 9 INDUSTRY INNOVATION AND INFRASTRUCTURE

NCKU's College of Medicine and Innolux established the "Medical Imaging Center," initiating 3D medical imaging research and promoting the development of smart medical care. The center applies the naked-eye 3D technology developed by Innolux to improve the accuracy of 3D image reconstruction from original cut images. The naked-eye 3D technology developed by Innolux is a light field

display technology with the exclusively developed Volume N3D algorithm. It can display a depth range of at least ± 10 cm and high-resolution 3D images with more than 256 viewpoints, solving the problem of dizziness when viewing traditional 3D displays and preventing discomfort after prolonged use.



NCKU Medical Imaging Center

Meet Our Distinguished Alumni

Deng-Li Chen



| 1959, Bachelor, Industrial and Business Management
Founder of Victor Rackets Industrial Corp.

Deng-Li Chen has devoted more than 50 years to his beloved badminton. The company makes equipment for everything in badminton and has become one of the world's leading badminton brands under Mr. Chen's leadership. The company has groomed countless outstanding badminton players over the years, such as the Taiwanese badminton queen Tzu-Ying Tai.



Chian-Sern Chang



| 1978, Bachelor, 1980 Master, Electrical Engineering
Chairman and General Manager of Transcom, Inc.

Chian-Sern Chang founded Transcom, Inc. in 1998, which is the first microwave semiconductor integrated component manufacturing plant in Taiwan. Its products are mainly utilized for communication satellites (Satcom), 5G/B5G equipment, aviation, and defense systems, and the plant has developed into one of the most important suppliers of the National Chung-Shan Institute of Science and Technology.



Pao-Chuan Yeh



| 1989, Bachelor, Post-Baccalaureate Medical
Vice Superintendent of the Hsin-Ann Hospital

Pao-Chuan Yeh, as a psychiatrist, has been working in rural medical care for a long time and won the Medical Contribution Award in 2018. He took the initiative to discover cases in the community, set up four medical stations in remote coastal villages, and established the mental rehabilitation association that helps patients solve economic difficulties and return to society.



Han-Chung Wu



| 1988, Bachelor, Biology
Director of the Biomedical Translation Research Center (BioTRC), Academia Sinica

Han-Chung Wu was selected as an NAI Fellow by the National Academy of Inventors (NAI) in 2020. Mr. Wu commits to the research and development of new treatments for cancer and contagious diseases. He has published more than 124 academic journal articles and 80 patents, and 20 proprietary technologies have been successfully licensed to biotechnology companies.



Houng Sun



| 1980, Bachelor, Mechanical Engineering
The Chairman and President of Mirle Automation Corp.

Houng Sun drives the development of Taiwan's industrial automation with his research on CNC gear grinding machines and is known as the "Gear King" in the Taiwanese gear industry. Mr. Sun invested in technology commercialization and founded the Mirle Automation Corp. with the mission of encouraging high-tech innovations, developing it into a pioneer of intelligent manufacturing in Taiwan.





Lain-Jer Chang

| 1965, Bachelor, Chinese Literature
Retired Professor in Aletheia University



Lain-Jer Chang has devoted himself to promoting the development of the Taiwanese literature. From 1970 to 1978, while serving as a lecturer at the Department of Chinese Literature of NCKU, Mr. Chang established the NCKU Phoenix Tree Literature Award for pioneering the literary culture in universities and cultivating a new generation of authors in the Taiwanese literature.



Chia-Yuan Chang

| 1988, Bachelor, 1992, Master, 1996, PhD,
Aeronautics and Astronautics
CTO, VP & GM of Quanta Computer Inc.



Chia-Yuan Chang leads Quanta's BU12 business unit to develop new businesses, such as AIoT, smart healthcare, and smart agriculture. Mr. Chang has over 100 design and invention patents worldwide. One of his most important inventions is the construction method of an Application Module Store and the extension mechanism for delivering application software modules to mobile devices.



Malone Chang

| 1979, Bachelor, Architecture
Lead Architect of MAYU Architects



Malone Chang established MAYU Architects in 1999, and his designs have repeatedly become significant tourist attractions in Taiwan. His recent works include Kaohsiung City Dadong Art Center, Tainan Public Library, Kaohsiung Hongmaogang Cultural Park, and Pingtung County Library. The Pingtung County Library won the first place of 2021 Taiwan Residential Architecture Award.



Fwu-Shing Lin

| 1977, Bachelor, 1979, Master, Chemical
Engineering
Vice Chairman of Fubon Life Insurance Co. Ltd.



Fwu-Shing Lin led Fubon Life Insurance Co., Ltd. and Fubon Financial Holding Co. to become the most profitable financial service institutions in Taiwan. The Fubon Media Technology Company (momo shop) he founded has excellent operating performance, its current market value exceeds 200 billion, and it has become the largest and most valuable e-commerce platform in Taiwan.



Harry Yang

| 1980, Bachelor, Statistics
General Manager of Medical Devices Business
Group of Qisda Co. Ltd.



Harry Yang has 30 years of experience in the high-tech industry. Under his innovative leadership, Qisda has successfully stepped into the field of smart healthcare. Mr. Yang also received an honorary doctorate in computer science from Ubon Ratchathani University, which has had a profound impact on the computer industry in Thailand.





College of Engineering

Shu-Hua Hu, Wen-Hong Wang, Yuan-Xiang Zou, Shao-Chun Lu, Xiao-Ling Yang, De-Hau Tsai, Zhi-Yi Wu, Li-Ling Zhang, Ting-An Wu, Reng-Kui Zhang, Zhan-Lu Su, Chia-Ling Zhang, Cheng-Hsien Lee, Zhi-Wei Peng, Nai-Ren Zhang, Yi-Han Liu, Yu-Han Zhang, Kai-Zhe Liu, Yu-Yong Wen, Gen-Mu Zhang, Song-Hua Weng, Rui-Tang Zhang, Zhe-Cheng Lin, Tsung-Yuan Tsai, Dong-Xin Wu, Li-Ding Li, Qi-Yi Lin, Zhe-Jia Hu, Chao-Qun Jin, Da-Cheng Yang, Kai-Ting Xie, Yi-Ning Wu, Guo-Ren Li, Xun-Ying Huang, Chi-Hui Chiu, Qing-Yu Huang

胡書華, 王文鴻, 鄒淵翔, 盧少淳, 楊曉玲, 蔡德豪, 吳知易, 張莉苓, 吳庭安, 張仍奎, 蘇展祿, 張嘉玲, 李政賢, 彭志維, 張乃仁, 劉奕涵, 張育涵, 劉楷哲, 溫育勇, 張根穆, 翁崧華, 張瑞堂, 林哲丞, 蔡宗遠, 吳東欣, 李立鼎, 林其毅, 胡哲嘉, 金超群, 楊大成, 謝凱婷, 吳宜寧, 李國任, 黃薰瑩, 邱琪惠, 黃清譽

College of Medicine

Yu-Feng Hu, Hong-Wen Lai, Yu-Zhi Liu, Ding-Mao Zhou, Ni-Min Wu, Li-Dan Yang, Shi-Jie Luo, Pei-Lin Zheng, Fang Liu, Zhi-Ming Chen, Wei-Xuan Luo, Cong-Ming Chen, Zhi-Xuan Chen, Wan-Chi Tsai, Sheng-Heng Li, Zheng-Ya Huang, Pei-Jin Zhuang, Shan-Ying Li, Ze-Han Chen, Li-Xian Li, Zi-Hao Li, Gang-Hong Hsu, Ke-Min Chen, Yu-Ping Chen

胡瑜峰, 賴鴻文, 劉育志, 周鼎茂, 吳妮民, 楊荔丹, 羅士傑, 鄭珮琳, 劉芳, 陳志明, 羅瑋萱, 陳琮明, 陳志軒, 蔡婉琪, 李昇恆, 黃正雅, 莊佩錦, 李珊瑩, 陳則翰, 李麗嫻, 李子豪, 徐綱宏, 陳克旻, 陳鈺萍

College of Management

Yong-Xuan Peng, Yi-Xuan Li, Ling-Xuan Hu, Yong-Hua Zhang, Zi-Ping Huang, Guo-Hao Zhang, Zhong-Ze Yao, Yu-Xun Liu, Yi-Kai Wang, Guan-Liang Liu, Guang-Yi Lai, Jia-Hao Hong, Li-Wei Wu, Yu-Quan Lu, Guo-Wei Li, Xin-Yi He, Jia-Yu Xu

彭勇璇, 李宜軒, 胡玲瑄, 張詠華, 黃子評, 張國浩, 姚仲澤, 劉于遜, 王奕凱, 劉冠良, 賴光毅, 洪嘉壕, 吳立璋, 呂育全, 李國璋, 何欣怡, 許嘉裕

College of Science

Ming-Xian Cui, Hao-Zhan Chen, Yi-Ren Zeng
崔名賢, 陳浩展, 曾怡仁

College of Liberal Arts

Wen-Hsuan Chen, Chih-Yu Lin, Li-Wen Hsu, Jia-Ying Xie, Chun-Ning Chang, Yi-Li Liu
陳玟瑄, 林志育, 徐麗雯, 謝佳螢, 張純寧, 劉依俐



College of Electrical Engineering & Computer Science

You-Ting Zhuang, Jun-Cheng Liu, Wei-Zheng Lian, Yu-Sheng Wang, Bo-Zhou Su, Jing-Shian Tsai
莊侑頌, 劉峻誠, 連唯証, 王喻生, 蘇柏州, 蔡競賢

College of Bioscience and Biotechnology

Ji-Guang Yao, Wen-Wei Zhang, Zhe-Xin Li, Kuo-Hsun Chiu
姚季光, 張文瑋, 李哲欣, 邱國勳

College of Planning & Design

Wan-Zhen Lin, Jian-Fu Guo, Hung-hsuan Shen, Chih-Chyi Chang
林宛蓁, 郭建甫, 沈弘軒, 張志祺





Honorary Doctorate

NCKU conferred an honorary doctorate in engineering to Mr. Ping Cheng, Chief Executive Officer of Delta Electronics Inc., in recognition of his innovative R&D efforts and leading Delta to represent Taiwan's industry in committing to the future of sustainable development in the world. Mr. Ping Cheng has been Delta's CEO since 2012, leading Delta's overall organizational operations and investment plans. He has led Delta to grow steadily in revenue, triple its market value, and increase its brand value annually. Delta has R&D personnel and engineers stationed in NCKU to jointly develop forward-looking technologies and applications with industrial value with the College of Electrical Engineering & Computer Science, covering industrial products, such as servo drives, servo motors, linear actuators, and robots, and plays a key role in global industrial advanced technology.



9 HONORARY DOCTORATE AND INFRASTRUCTURE 12 TECHNOLOGY CORPUSCULES AND TRANSLATION

Nova Scholarship Project

1 IN POVERTY 17 PARTNERSHIPS FOR THE GOALS

NCKU has launched the "Nova Scholarship Project," a new scholarship funded by the university's global alumni associations, to support outstanding high-school graduates who choose to enroll in NCKU. The project plans to fund over 150 students each year, and the reward will be given to students who meet the criteria for outstanding high school students' enrollment, the Outstanding Student Award, or recommendation by their department. Each student who meets the criteria and is qualified to go abroad will receive the scholarship of at least 20,000 USD (600,000 NTD). Keh-Shew Lu, an alumnus of NCKU Electrical Engineering Class 1969, generously donated 300,000 USD to support the scholarship project, hoping to encourage the younger NCKU students to expand their views and cultivate global competitiveness.



In Memory of President Han-Min Hsia

The Foundation of NCKU's Leap



Former President of NCKU, Han-Min Hsia, who laid the foundation of NCKU's development with enormous effort and dedication, breathed his last at the age of 90, at 4 am on June 18, 2021. During his time as NCKU President from 1980 to 1988, he oversaw the expansion of Tzu-Chiang, Ching-Yeh, Li-Hsing, and Guiren Campuses and transformed the engineering-oriented institution to a completely comprehensive university. During the lead of President Hsia, the establishment of the Department of Medicine and NCKU Hospital, part of the 14 Major Construction Projects, served to balance the healthcare resources between urban and rural areas, giving the residents in southern regions the option to stay near home for medical treatments instead of traveling to the northern regions.



Presidential Citation to Former NCKU President Han-Min Hsia

Vice President Ching-Te Lai presented the Presidential Citation, commending Hsia's contributions to NCKU and the society, to Shou-Mei Wang, the widow of Hsia, at the Ge-Chi Hall of NCKU. Lai said that Hsia exerted his best efforts in consideration of the society and its people, and his achievements as NCKU President stand to testify his dedication and benevolence, marking him a model figure for the nation. Wang expressed her appreciation for Lai's visit to Tainan and thanked NCKU for applying for the Presidential Citation.

