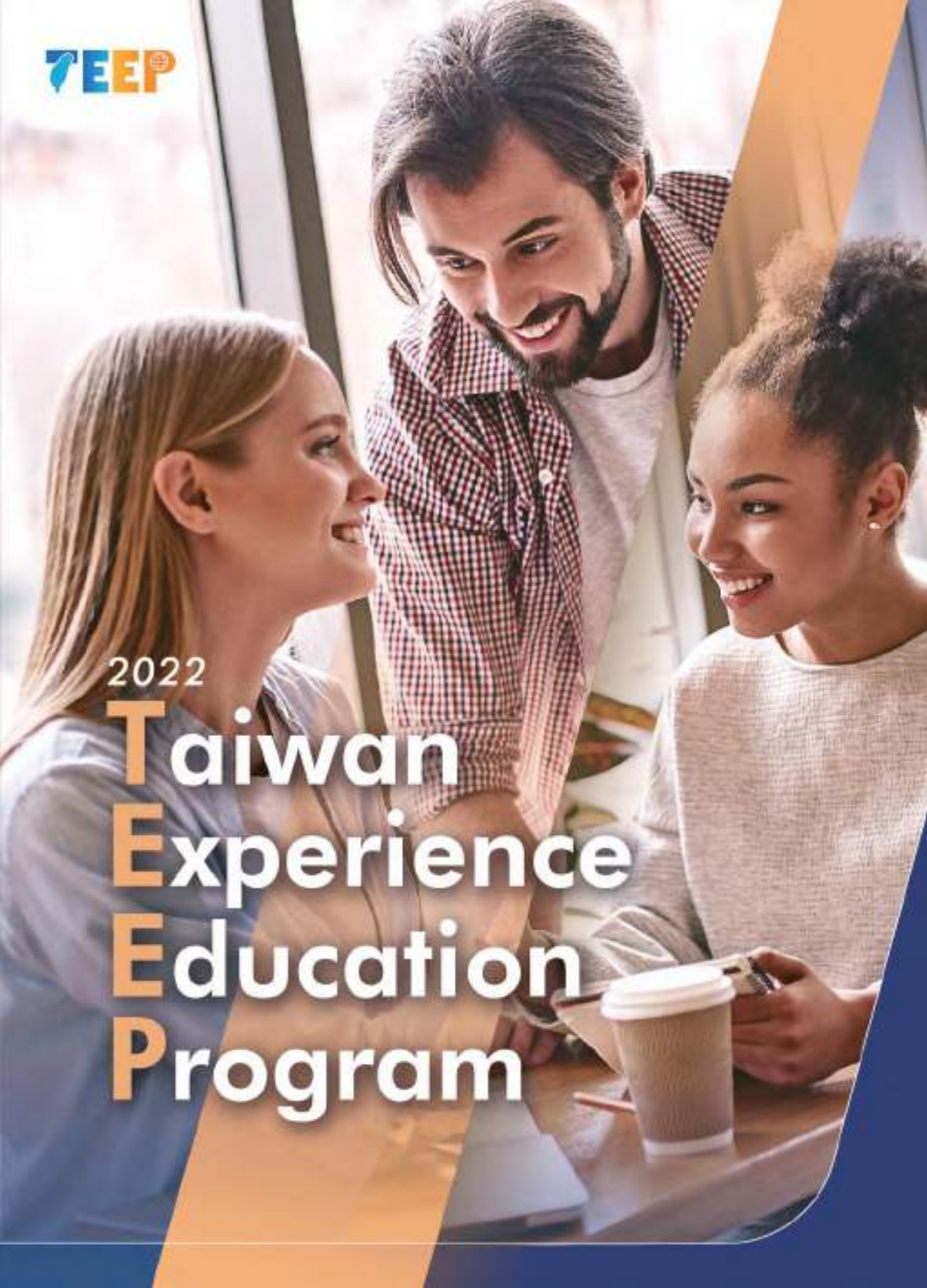
TEEP



2022

Taiwan Experience Education Program

TEEP

@AsiaPlus

About TEEP

In 2015, Taiwan's Ministry of Education launched the Taiwan Experience Education Program (TEEP) to encourage more international students to participate in short-term professional internship projects organized by Taiwanese universities and colleges. TEEP also allows international students to gain an in-depth educational experience in Taiwan, while also preparing themselves for the Asian job market.

An increasing number of outstanding universities and colleges in Taiwan now offer TEEP@AsiaPlus – short-term professional and research internship programs for 500+ per year outstanding international youths to experience Taiwan's quality higher education and make personal connections in the Asian job market.

TEEP programs are also available in emerging fields such as Information Communication Technology (ICT), Internet of Things (IoT), Blockchain Technology, Semiconductors, 5G Wireless Communications, Advanced Manufacturing, Smart Manufacturing, Robotics, Green Energy, Biosensors, Logistics Management, Molecular Biology, Smart Health Care, and English-Medium-Instruction (EMI) Teaching, as well as Mandarin Language Training or Cultural Experience Courses.

Internship plus Mandarin Chinese Learning

The wide range of programs under TEEP provides students from all backgrounds opportunities to immerse themselves in the operations of key Taiwan companies and industries. Moreover, TEEP helps students find relevant and useful job placements at various companies. In these positions, students will gain firsthand knowledge that will put them well on their way in the business world. To ease participants into their internships in Taiwan, TEEP also features cultural immersion activities to improve language and cultural fluency. All participants are provided with high-quality dormitory accommodations, as well as opportunities to learn to speak Mandarin Chinese.

Taiwan is an ideal place for international students who want to learn Mandarin Chinese, also called Mandarin, Huayu, Guoyu, Hanyu, Putonghua, and Zhongwen in Chinese-speaking communities around the world. Taiwan is also the best place for learning traditional Chinese characters, which allows you to better connect with classic Chinese literature and culture. Furthermore, learning Chinese will help you communicate with Chinese speakers around the world. There is a worldwide enthusiasm for learning Chinese, and Taiwan is already well established as one of the best places in the world to study.

Taiwan Experience Education Program for International Talents

- For more information, please visit https://teep.studyintaiwan.org/

semiconductor

Asia University

- Artificial Intelligence
- Big Data
- Biosensor
- Deep Learning
- English Teaching
- Real Option Game
- Semiconductor

Chang Gung University

- 5G
- Computer Vision
- Deep Learning
- Image Processing
- Intelligent Robots
- Internet of Things
- Reliability

China University of Technology

- Creative Design and Digitization
- Cultural Heritage
- Sustainability

Chung Yuan Christian University

- Chinese Language
- Language Learning
- Taiwan Investigation

Da-Yeh University

- Creative Industries
- Design
- IP Character

Feng Chia University

- Green Synergy
- Lidar System Design and Validation
- Machine Learning
- Statistical Modeling

Fooyin University

- Cultural Exchange
- Environment Protection

Kaohsiung Medical University

- Cancer Biology
- Environmental Exposure Assessment
- Epidemiology
- Herbal Medicine
- Mass Spectrometry
- Metallodrugs
- Multidiscipline
- Nanographene
- Organic Synthesis
- Pharmaceutical Formulation
- Photonic Nanomaterials
- Polymers
- Signaling Transduction

Kun Shan University

- Asymmetric Supercapacitor
- Energy Storage Device
- Zinc Air Battery

Ming Chi University of Technology

- Energy Technology
- English Teaching Practice
- Mandarin Learning

Nanhua University

- Biotechnology
- Ecological Agriculture
- Organic Agriculture
- SDGs
- Sustainable Environment

National Central University

- Medical Device Design
- Sensing Technology
- Signal Processing

National Changhua University of Education

- Digital Learning
- Epistemic Beliefs
- Fluorescence Spectroscopy
- Internet of Things
- Liquid Crystals
- Magnetic Random Access Memory
- Medicinal Chemistry
- Novel Semiconductor
- Organometallics
- Semiconductor Engineering
- Thermoelectric Materials
- X-ray

National Cheng Kung University

- 5G
- Biomedical Engineering
- Energy Storage Technologies
- Fluid Mechanics
- Hydrodynamic Analysis
- Jet Biofuel
- Photolithography
- Porous Materials

National Yang Ming Chiao Tung University

- 5G
- Chemo Sensor
- Electro-optic Engineering
- Entrepreneurship
- Nanomaterials
- Semiconductor

National Chiayi University

- Asymmetric
- E-learning
- Food Science
- Osteoporosis
- Tropical Fisheries

National Chin-Yi University of Technology

- Community-based Tourism
- Green Energy Technology
- Internet of Things
- Smart Machinery

National Chung Cheng University

- Big Data
- Biochemical Engineering
- CMOS RFIC
- Epigenomics
- Face Recognition
- Fuel Cell
- Machine-learning
- Manufacturing Technology
- Plasma
- Semiconductor Photodetectors
- UWB Radar

National Chung Hsing University

Crop
Dermatology
Digital Media
International Relations
In vitro and In vivo
Process Optimization
Robotics
Tea
Value Chain

National Dong Hwa University

2D Magnetic Materials
Circular Economy
Electrochemistry
Mass Spectrometry
Rural Experimental Education
Solid Oxide Fuel Cells
Titanium Dioxide
Toxicoinformatics
Water Splitting

National Formosa University

Green Energy
Manufacture
UAV

National Ilan University

5G/B5G Communication
Electro-fermentation
Geopolymer
Global Collaborative Learning
H2 Formation
High Efficiency
Membrane Separation Technology
Microbial Fuel Cells
Wastewater Treatment

National Kaohsiung Normal University

Educational Internship

National Kaohsiung University of Science and Technology

GIS
Remote Sensing
Renewable Energy
Value-added Agricultural Technologies
Water Treatment

National Pingtung University of Science and Technology

Atmospheric Pressure Plasma Jet
Boron Doped Diamond
Extrusion Technology
Food Processing
Green Energy Technology
Metagenomics
Microbiome
Monoclonal Antibody
Quorum-sensing
Smart Machinery
UV LED
Vaccine
Virus
Volatile Organic Compounds

National Quemoy University

Duty-free Shopping Mall
Hotel Management
Kinmen

National Sun Yat-sen University

Bioenergy
Biomass-based Materials
Biorefinery
Computation
Consulting
EFL Teachings
Gene Regulation
Nanomaterials
Photocatalysis
Semiconductor
Translational Medicine
Urothelial Carcinoma

National Taipei University of Technology

2D Materials
3D Printing
Additive Manufacturing
Artificial Intelligence
Automation
Big Data
Bioelectrochemistry
Electrochemistry
Exoskeleton
Geopolymer
Machine Learning
Membrane
Nanomaterial Synthesis
Nanoparticle
Photocatalysis
Self-driving
Semiconductor
Synthesis
Water Treatment

National Taiwan Normal University

2D Materials
Dark Matter
Electronic Structure
Enantioselectivity
Eye Tracking
Gaze Tracking
Gravitational Wave Astronomy
High Performance Computing
Holography
Human-machine Interface
Laser Physics
Layered Quantum Materials
Monte Carlo
Neural Networks
Neutrino
Observational Seismology
Optics
Optical Properties
Optoelectronics
Organic Synthesis
Reinforcement Learning
Spintronics
STEM Education
Structured Light
Superconductor
Tensor Networks
Terahertz
Valleytronics
Volcanism

National Taiwan University

2D Materials
Batteries
Electro-optical Materials
Mid-infrared Detection
Nano Materials
Quantum Dots
Scanning Tunneling Microscopy
Semiconductor
Si-based Technology
Vacuum Science and Technology

National Taiwan University of Science and Technology

5G
Analog Circuit Design
APP
Artificial Intelligence
Biofuel
Blockchain
Drug Delivery
FPGA
IC Design/Layout
Information and Communication Technology
Internet of Things
Machine Learning
mmWave
SDN

National Tsing Hua University

ADHD
Children with Special Needs
Cognitive Neuroscience
Non-destructive Imaging
Terahertz
Wireless Communication

Providence University

Chemistry
Cosmetics
English Education
Solar Cells

Southern Taiwan University of Science and Technology

- Artificial Intelligent
- Assistive Device
- Biomedical Engineering
- Deep learning
- Motor Control
- Solar Cell
- Teaching English as a Foreign Language
- Texture Profile Analysis

Taipei Medical University

- Artificial Intelligence
- Big Data Analytics
- Biomedicine
- Biosensor
- Cancer Biology and Drug Discovery (CBDD)
- Cancer Diagnosis
- Cancer Metabolism and Bioinformatics
- Cognition
- Consciousness
- Geriatric Nutrition
- Nanomaterials
- Pharmacogenomics
- Translational Medicine
- Viral Oncolytics

Tamkang University

- Angiogenesis
- Chemical Sensors
- CMOS-MEMS
- Drones
- Electrochemical Processes
- Flapping Wing Aerodynamics
- Image Processing
- Intelligent Manufacturing
- Membrane
- Multimedia Security
- Organic Synthesis
- Simulation
- Supercapacitor/Battery
- Toxicology
- Unmanned Aerial Vehicles
- Wastewater
- Water Splitting
- Wind Turbines
- Zebrafish

Tatung University

- Biodiesel
- Bioenergy
- Catalysis
- Design Thinking
- Participatory Design
- Social Innovation

Tunghai University

- Chinese
- Internationalization
- Research
- Science

University of Taipei

- Fitness
- Medical Doctor
- Sports Nutrition

Wenzao Ursuline University of Languages

- Chinese Language Learning
- Elementary School Teachers
- Teaching English

Yuan Ze University

- Biorefinery
- Biotechnology
- Circular Economy
- Design Thinking
- Gerontechnology
- Industry 4.0
- Smart Production
- Smart Production and Management

Yuanpei University of Medical Technology

- Food Analysis
- Food Processing

Taiwan Experience Education Program: Global Internship in English Teaching

Southern Taiwan University of Science and Technology (STUST)

In 2019, STUST inaugurated its successful TEEP program, welcoming 30 international students from all over the world, including Australia, North America, Europe and Asia. The program featured a summer camp offering diverse and creative activities to enhance the school's diverse international exchanges, as well as a global English language teaching internship to offer hands-on teaching experience at local elementary schools.

The 2022 program will focus on bolstering cultural exchanges, while drawing more students and teachers from different countries. The summer camp will facilitate full immersion in the culture and lifestyles of Tainan City, the cultural capital of Taiwan, while the internship, provided in several rounds throughout the year, will offer an intensive teaching and learning experience at local elementary and junior high schools featuring a sound English learning environment and effective English teaching methods. We hope our 2022 TEEP program will create benefits for participants, local schools, host families and all other stakeholders.

Contact US

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Southern Taiwan University of Science and Technology

Short Term Research Platform Towards Promoting Environmental Protection-TEEP@Asiaplus in NIU, Taiwan

National Ilan University (NIU)

National Ilan University (NIU) is one of Taiwan's oldest institutions of higher education, and its participation in TEEP focuses on projects designed to expedite high-level research and teaching for new generations. To extend developing knowledge to the wider scientific community, NIU is prioritizing internationalization, with recent collaborations with multiple universities around the world to provide and promote high quality platforms for international academic exchange for students all over the world. The NIU Environmental Engineering Department is the only department of its kind in northeast/east of Taiwan, led by Professor Chang-Tang Chang whose research interests include water/wastewater treatment, water resources regeneration, air pollution control, waste recovery and management, hydrogen production, soil and ground water remediation, biotechnology and its applications, environmental monitoring and assessment, environmental management systems, environment maintenance and management equipment and renewable energy. The Department provides international students with internship opportunities lasting 4-6 months, providing intensive interaction and collaboration with experts in Taiwan and from around the world.

This important platform:

- Provides a meeting place for highly talented scientific communities from around the world, allowing them to develop contacts and awareness of high quality research projects.
- Creates opportunities to work on novel ideas and gain practical knowledge in a wide range of fields.
- Offers a platform to develop Chinese proficiency through highly effective interactive sessions and classes.
- Provides cultural programs, trips and activities that help students better understand Taiwan and its unique culture.
- Provides opportunities to continue post-internship studies with attractive scholarships.

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https://ev.niu.edu.tw/p/412-1026-2971.php?Lang=en

TEEP

Explore Advanced Semiconductor Technologies at NYCU WLab

National Yang Ming Chiao Tung University (NYCU)

National Yang Ming Chiao Tung University (NYCU) explores advanced semiconductor technologies to uncover the develop next-generation electronics for the benefit of humanity. Through intensive collaboration with neighboring research hubs and the leading industries in the Hsinchu Science Park, NYCU has successfully nurtured outstanding talent in the semiconductor field. In 2015, NYCU established the International College of Semiconductor Technology (ICST), the world's first research institute dedicated to semiconductor R&D, to cultivate excellent talent ready to take on the challenges of moving this industry forward into the future. This makes the ICST the ideal place for international students to develop a broad vision for the future of advanced semiconductor technologies.

Under the leadership of Prof. Tian-Li Wu, the NYCU WLab led is dedicated to the development of advanced energy-efficient electronic devices. Our research focuses on:

(1) GaN and SiC power semiconductor and electronics
(2) Advanced semiconductor materials and devices for sub-5nm logic
(3) Industry-based analysis of device reliability and degradation
(4) AI-assisted semiconductor device designs

Interns learn professional knowledge related to semiconductor device design, fabrication, assessment, and reliability analyses, and gain hands-on experience in state-of-the-art facilities, further broadening their career horizons in this global industry.

Contact US

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https://wlabnctu.wixsite.com/wlabnctu

National Yang Ming Chiao Tung University (NYCU)

A Global Internship Lab – 2022 TEEP@AsiaPlus x NSYSU, TAIWAN

National Sun Yat-sen University (NSYSU)

Do you have an idea for how to make a big impact? National Sun Yat-sen University (NSYSU) will be hosting the **TEEP@AsiaPlus: International Consulting Program in Taiwan (ICPT)**. The program is a team internship opportunity for international youths interested in seeking future career development in the economically booming Asia region. Our program is well designed to facilitate the professional development of global youth while also helping Taiwanese enterprises gain more internationalized experience and talents. Participants will also have an inside track on full-time careers in Taiwanese firms. Since 2015, nine international students from the USA, Vietnam, Indonesia, and France have found full-time, management-track positions in local enterprises.

Why should you join?

- Meet purpose-driven top talent with diverse backgrounds and expertise, and build strong, lasting friendships
- Develop practical experience working on leading-edge ideas, and immerse yourself in Taiwanese business culture
- Free language classes will enhance your communication proficiency in Chinese
- Cultural trips and activities will expose you to the unique aspects of Taiwanese culture
- Meet recruiters for management-track positions at Taiwanese firms

Contact US

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http://teep.cm.nsysu.edu.tw

https://www.facebook.com/ICPT.NSYSU/

https://www.youtube.com/channel/UCeDjaSXhyWQe26mzuEaEkYw

National Sun Yat-sen University (NSYSU)

Study on the Topics of Biochemical Engineering and Biomedical Sciences (Systems Biology and Epigenomics)

National Chung Cheng University (CCU)

This project aims to recruit undergraduate and postgraduate students from universities in South and Southeast Asia for technical training and short-term research at CCU. Topics of research cover biochemical engineering (applied microbiology, enzyme engineering, protein expression and large-scale production), systems biology, metabolic network simulation, cancer epigenomics, and neurodegenerative diseases. In the summer 2019 session, ten students were recruited from six universities including Chulalongkorn University, Kasetsart University and Assumption University in Thailand, USTH and the University of Danang in Vietnam, and the University of the Philippines. Students joined research projects under the supervision of faculty in the Department of Chemical Engineering and the Department of Biomedical Sciences. In one project, for example, a student investigated how aberrant Jak/STAT signaling contributes to the epigenetic silencing (DNA methylation) of tumor suppressors in gastric cancer. In the process, the student was trained in multiple current techniques including molecular cloning, real-time PCR and cell culturing. In another project, a student investigated the effect of DEHP on DNA methylation of dendritic cells, using bisulphite pyrosequencing to investigate DNA methylation. Other students were involved in projects related to recombinant protein expression, fermentation of organic acids and purification. These students later returned home to continue their research, and contributed to improved collaboration between CCU and their home universities. In the past two years, four graduates of the program returned to CCU to pursue graduate studies.

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National Chung Cheng University (CCU)

Durability Analysis of Fuel Cells and Flow Batteries

National Chung Cheng University (CCU)

The CCU Fuel Cell Laboratory develops key components for low- and high-temperature proton exchange membrane fuel cells (LT-PEMFCs, HT-PEMFCs) and all-vanadium redox flow batteries (VRFB).

Facilities in our lab include:

(1) An ultra-sonic spraying system for coating catalyst ink on the membrane or gas diffusion layer

(2) Fuel cell test stations to measure the performance and durability of PEMFCs

(3) Battery testers to measure the charge-discharge curves of VRFBs

We design membrane electrode assemblies and bipolar plates for fuel cell stacks and VRFB stacks and measure their performance. One of our current projects aims to develop an ultralight fuel cell stack for unmanned aerial vehicles applications.

Students in our laboratory have chances to attend international conferences for paper presentations during their course of study. Most of our studies are published in the Journal of Power Sources, Applied Energy, the International Journal of Hydrogen, and Energies. If you are interested in the research in fuel cells, flow batteries, or green energy technologies, you are welcome to join us.

National Chung Cheng University (CCU)

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TEEP@AsiaPlus@NCKU

National Cheng Kung University (NCKU)

One of Taiwan's top-ranked universities, NCKU is located in Tainan, a city famous for its unique cuisine. The university is composed of nine colleges, including engineering, science, medicine, liberal art, social science, business management, design, computer science, biotechnology, and the multi-disciplinary crossover collaboration is highly encouraged. In addition to academic research, NCKU is dedicated to promoting industry-academia cooperation, and promotes a strong entrepreneurial spirit among students and faculty.

The Department of Biomedical Engineering combines medicine and engineering to develop innovative medical devices, aiming to solve current limitations in medical examinations and treatments. In our lab, we use bio-electrochemical methods to develop biosensors, saving time and labor-intensive clinical examinations and providing precise results for timely treatments.

At NCKU, the TEEP@AsiaPlus Scholarship program features many learning and social activities. Students can attend bio-electrochemistry and biosensor classes, and participate in many hands-on experiments including ring-shaped interdigitated electrode (RIDE) chip applications, loop-mediated isothermal amplification (LAMP), electrochemical detection methods, Fourier transform infrared spectroscopy, and various types of wafer fabrication techniques. This training program is designed to help students select a topic for study and provides opportunities to attend academic symposia, including the International Symposium on Chemical-Environmental-Biomedical Technology (isCEBT), to gain valuable experience in academic exchange. In terms of social activities, we arrange for industry tours and corporate visits so students can experience practical applications of biosensors in authentic healthcare settings and daily life.

National Cheng Kung University (NCKU)

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Research in Electro-Optical Materials and Semiconductor Devices

National Taiwan University (NTU)

The **Electro-Optical Materials and Semiconductor Devices Laboratory** group at the NTU Department of Chemical Engineering is well-known for its work in materials chemistry & physics, ceramics, and electro-optical materials and devices. Current research mainly focuses on **energy generation, storage and usage**. For energy generation, the group aims to develop Cu(In,Ga)Se2 **solar cells and photovoltaic devices** based on perovskite materials. Energy storage research seeks to develop cathode, anode and electrolyte materials for **Li-ion batteries and supercapacitors**. The main aim of the energy usage research group is to develop light emitting diodes and display devices based on **phosphor materials and quantum dots**. In addition to highly motivated and talented students from Taiwan, the laboratory also includes several **international** masters, doctoral, and postdoctoral candidates with excellent backgrounds in Chemical Engineering, Chemistry, and Physics background. Candidates should have extensive experience in the synthesis and characterizations of various energy materials via different facile and green physical, chemical and solution routes for industrial applications with an emphasis on phosphor materials, solar cells, and Li batteries, and potential for making a significant contribution to our scientific program.

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