



## SUT AND NKUST ADVANCE STRATEGIC ENGINEERING PARTNERSHIP IN FUTURE TECHNOLOGIES AND TALENT DEVELOPMENT



國立高雄科技大學  
National Kaohsiung University of Science and Technology

## ABOUT NKUST

**National Kaohsiung University of Science and Technology (NKUST)** is Taiwan's largest university of science and technology, with approximately 27,000 students and 1,700 faculty members across five campuses. The university comprises 11 colleges and maintains an extensive international network of approximately 500 partner universities worldwide. Its 67 professors are among the global top 2% of scientists, and five campuses.

A core strength of NKUST is its close integration of engineering education, applied research, industry collaboration and emerging technology talent development. NKUST is one of only four Taiwanese universities selected for the Taiwan-U.S. Semiconductor Education Alliance and has been designated by Taiwan's Ministry of Education as the centre for AI education in Southern Taiwan.

Its engineering strengths extend across semiconductors, AI, intelligent mechanical and electrical engineering, mechatronics, advanced manufacturing, civil and construction engineering, BIM, green energy, environmental engineering, and industrial safety, positioning NKUST as a strong strategic partner for SUT in future technology and sustainable engineering.



### KAOHSIUNG, TAIWAN – 13 August 2026 –

A delegation from Suranaree University of Technology (SUT), Thailand, led by Assoc. Prof. Dr. Pornsiri Jongkol, Dean of the Institute of Engineering, visited the **National Kaohsiung University of Science and Technology (NKUST)**, Taiwan, to advance the partnership between the two universities and explore concrete opportunities in engineering education, research, student mobility, and future technology talent development.



The SUT delegation was welcomed by the NKUST delegation led by **Prof. Dr. Jing-Fuh Yang (Albert)**, Dean of the Office of International Affairs and Dean of the College of Management, together with 2. Assoc. Prof. Dr. Chia-Chin Wu (Joe), Associate Dean of OIA, Department of Mold and Die Engineering, Prof. Dr. Mong-Fong Horng, **Dean of the College of Electrical Engineering and Computer Science**, and Prof. Dr. Heng-Sheng Lin, Dean of the **College of Intelligent Mechanical and Electrical Engineering**, along with department-level representatives from **mechanical, mechatronics, civil, construction, and safety/environmental engineering**.



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## Connecting Complementary Research Strengths

High-potential areas for SUT–NKUST collaboration:

- Semiconductor & AI Talent Development: Developing courses, workshops, mobility and future degree pathways to support the growing demand for skilled talent in Thailand and Taiwan.
- Smart Manufacturing & Mechatronics: Connecting SUT expertise in automation, AI and digital twins with NKUST's Intelligent Mechanical and Electrical Engineering capabilities.
- BIM & Smart Infrastructure: Exploring joint training, workshops and research through NKUST's BIM expertise and SUT's civil and infrastructure engineering strengths.
- Green Technology & Net Zero: Combining expertise in hydrogen technologies, carbon capture, industrial decarbonization and net-zero verification.
- Geological & Environmental Engineering: Exploring NKUST's geological databases and engineering experience for collaborative research with SUT in geology, rock mechanics and environmental applications.
- Industry-Linked Talent Development: Creating training and internship pathways that better prepare students for careers with international technology and manufacturing companies.

## Strengthening Collaboration in Semiconductors, AI, Smart Manufacturing, Green Technology and International Talent Mobility



## From Student Mobility to Strategic Academic Collaboration

Key opportunities include:

- Student exchanges and funded internships through Taiwan's TEP and IIPP programs;
- Knowledge sharing, guest teaching and co-teaching between academic units;
- Joint research and faculty mobility in areas of complementary expertise;
- Capstone and project-based learning opportunities;
- Curriculum mapping and credit recognition for English-taught courses; and
- Future 2+2 and dual/double-degree programs, with master's-level collaboration identified as a practical starting point.

NKUST's TEEP framework, which provides opportunities for 2–6 month funded internships in university laboratories or with industry partners, was identified as an attractive mechanism for rapidly expanding student engagement between the two universities.

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# Moving Forward

- **University-level Student Exchange Agreement (SEA)** between the two institutions.
- **Student Mobility:** Expand reciprocal exchanges and funded **TEEP/IIPP** internship opportunities.
- **Research Collaboration:** Connect faculty in **semiconductor, AI, BIM, mechatronics, green technology and environmental engineering**.
- **Curriculum Alignment:** Map compatible English-taught courses to facilitate credit recognition and future degree pathways.
- **Joint Activities:** Develop workshops, summer/winter programs, co-teaching and project-based learning.
- **Talent Development:** Explore university-industry programs preparing graduates for the semiconductor, electronics and advanced manufacturing sectors.



The visit reinforces the SUT-NKUST partnership as a platform for connecting education, research and industry, with a shared commitment to developing future-ready engineering talent and advancing technological and sustainable solutions for Thailand, Taiwan and the wider region.

Semiconductors & AI • Smart Manufacturing • BIM & Infrastructure • Green Technology • Student Mobility



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