

N^{CIA} NEWSLETTER

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SUT and Taiwan Tech Strengthen Engineering Partnership through Research, Mobility and Industry Collaboration

Advancing
Joint Research,
Student
Mobility,
Dual Degrees
Industry-
Connected
Engineering
Education

TAIPEI, TAIWAN – 12 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 Taiwan University of Science and Technology (Taiwan Tech/NTUST) to strengthen academic ties and identify concrete opportunities for collaboration in engineering education, research, student mobility, and industry engagement.

The SUT delegation was welcomed by the Taiwan Tech delegation led by Dr. Ming-Jyh Chern, **Dean of the College of Engineering**, together with the Chairs and academic representatives from **Materials Science and Engineering, Chemical Engineering, Civil and Construction Engineering, and Mechanical Engineering**. The broad representation provided an opportunity for both universities to identify complementary expertise and establish direct connections for future department-to-department collaboration.



About Taiwan Tech

National Taiwan University of Science and Technology (Taiwan Tech/NTUST) is one of Taiwan's leading technology universities, recognized for its strengths in engineering, applied research, industry collaboration and graduate employability. Located in central Taipei, Taiwan Tech is part of the NTU System together with National Taiwan University and National Taiwan Normal University, providing students with access to shared academic resources and cross-registration across more than 2,000 courses annually.



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Taiwan Tech's College of Engineering encompasses Mechanical Engineering, Chemical Engineering, Materials Science and Engineering, Civil and Construction Engineering, and Automation Technology. Its **approximately 1:1 ratio** of undergraduate to postgraduate students supports a **strong research environment**. Taiwan Tech combines research excellence with hands-on engineering education and close connections with Taiwan's high-technology industries, particularly the semiconductor, electronics, advanced materials and manufacturing sectors.

Expanding Student and Faculty Mobility

From Research Synergy to Joint Projects

The discussions identified several areas where the research capabilities and infrastructure of SUT and Taiwan Tech strongly complement one another, including:

- **Battery technologies and EV battery recycling**
- **Synchrotron applications and advanced materials research**
- **Silicon photonics**
- **AI, IoT and smart systems**
- **Smart manufacturing**
- **Renewable energy and advanced materials**

The on-campus **Synchrotron Light Research Institute** at SUT offers particular potential for joint materials and semiconductor research, complementing Taiwan Tech's expertise in battery interface analysis, solid-state batteries, advanced materials and emerging silicon photonics technologies.

Both universities discussed **expanding student exchanges, internships and research placements**, including opportunities through Taiwan's **TEEP and IIPP programs**. Taiwan Tech expressed its capacity and interest in welcoming more SUT students for academic and research experiences. The delegation also met up with **two SUT electronic engineering undergraduate students**, currently under the TEEP-funded cooperative education at Taiwan Tech. Potential academic collaboration also includes **2+2 dual/double degree pathways, double PhD programs, curriculum matching, co-advising and short-term Project-Based Learning (PBL)**. SUT, in turn, invited Taiwan Tech students to participate in its **Global Project-Based Learning (GPBL) Camp**, scheduled for 9-16 October 2026.

As members of the **World Technology Universities Network (WTUN)**, SUT and Taiwan Tech also agreed to explore the **WTUN Staff Exchange Program** to support faculty mobility and short-term collaborative research,

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Connecting Academia with Industry

Industry collaboration emerged as another important opportunity. Taiwan Tech's established relationship with **Delta Electronics** could provide a platform for connecting SUT students and academic programs with the company's expanding operations in Thailand.

Potential cooperation includes **student pipelines, internships, postgraduate study opportunities and industry-supported talent development, particularly in electrical, mechanical, materials and chemical engineering.**



Moving Forward

- **Research Collaboration:** Match SUT and Taiwan Tech researchers in battery technologies, synchrotron applications, silicon photonics and other complementary areas.
- **Faculty Mobility:** Develop joint proposals for the upcoming WTUN Staff Exchange Program.
- **Student Mobility:** Expand TEEP/IIPP placements and participation in SUT's GPBL activities.
- **Academic Programs:** Initiate department-to-department curriculum mapping for potential dual/double degrees and PhD co-supervision.
- **Industry Partnership:** Explore connections with **Delta Electronics Thailand** for internships, postgraduate pathways and engineering talent development.



The visit reinforced the shared commitment of SUT and Taiwan Tech to transform their existing relationship into deeper research partnerships, expanded international mobility, and stronger university-industry connections, creating new opportunities for students, researchers and faculty members in Thailand and Taiwan.

Engineering • Joint Research • Student Mobility • WTUN • Industry Collaboration



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