NCUT Newsletter

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The 5th Forum on Advanced Materials Manufacturing Technology Held at NCUT

THE 5TH FORUM ON ADVANCED MATERIALS MANUFACTURING TECHNOLOGY WAS HELD AT THE 6TH FLOOR CONFERENCE HALL OF THE LIBRARY AND INFORMATION CENTER, NATIONAL CHIN-YI UNIVERSITY OF TECHNOLOGY (NCUT). THE EVENT WAS CO-ORGANIZED BY NCUT'S DEPARTMENT OF MECHANICAL ENGINEERING, NATIONAL CHUNG HSING UNIVERSITY, THE TAIWAN ABRASIVE MACHINING SOCIETY, AND SEVERAL INDUSTRY ALLIANCES. IT ATTRACTED EXPERTS AND SCHOLARS FROM THE SEMICONDUCTOR, MATERIALS MANUFACTURING, AND ADVANCED PROCESS SECTORS TO EXCHANGE INSIGHTS.

THE FORUM OPENED WITH REMARKS BY PROF. MING-YI TSAI, NCUT PROFESSOR AND PRESIDENT OF THE TAIWAN ABRASIVE MACHINING SOCIETY, FOLLOWED BY A KEYNOTE INTRODUCTION BY CHIH-CHENG TSAI, VICE DEAN OF THE COLLEGE OF ENGINEERING AT NCHU. THE MORNING SESSION FOCUSED ON TOPICS SUCH AS GRINDING AND CUTTING EQUIPMENT APPLICATIONS, SILICON CARBIDE CRYSTAL GROWTH, AND THE DEVELOPMENT OF COMPOSITE MATERIAL WAFERS. RONG-CHE HSIEH, CEO OF CHUNG HWA GRINDING WHEEL, EMPHASIZED THAT AMID RISING TARIFFS, TAIWAN MUST FURTHER ENHANCE PRECISION MANUFACTURING TECHNOLOGIES TO MEET GLOBAL CHALLENGES.

IN THE AFTERNOON, PROF. HAO-CHUNG KUO FROM NATIONAL YANG MING CHIAO TUNG UNIVERSITY LED DISCUSSIONS ON ADVANCED PACKAGING EVOLUTION, PLANARIZATION APPLICATIONS, SILICON PHOTONICS LASER CHALLENGES, AND HIGH-VOLUME PANEL-LEVEL PACKAGING. THE FORUM CONCLUDED WITH A ROUNDTABLE HOSTED BY HSI-HSUN YEH, CSO OF SYNERGY MICRO INTERNATIONAL, FEATURING INDUSTRY REPRESENTATIVES FROM SURUGA SEIKI, CRYSTALWISE TECHNOLOGY, AND TRONJET TECHNOLOGY.

THE FORUM SUCCESSFULLY FOSTERED DEEPER COLLABORATION AMONG ACADEMIA, INDUSTRY, AND RESEARCH, INJECTING FRESH MOMENTUM INTO TAIWAN'S DEVELOPMENT OF ADVANCED MATERIALS AND MANUFACTURING TECHNOLOGIES.

NCUT Hosts “Japanese Tree Doctor System and Tree Diagnosis Workshop” with Industry and Government Partners

To strengthen industry-academia collaboration and promote the development of the landscape industry, the Department of Landscape Architecture at National Chin-Yi University of Technology (NCUT) partnered with five long-term internship enterprises—Shang Sen Landscape, Huei Chen Horticulture, Song De Horticulture, Jhao Shian Landscape, and Fu Jing Qun Agriculture—while also inviting colleagues from the Taichung City Government Construction Bureau to participate in the “Japanese Tree Doctor System and Tree Diagnosis Workshop – Industry-Government-Academia Joint Training Program.” This initiative marks a new milestone in talent cultivation for the landscape field.

The workshop focused on the theme of “Japanese Tree Doctor System and Tree Diagnosis” and featured lectures by Prof. Takashi Oyabu, a certified Japanese Tree Doctor and professor at Awaji Landscape Planning & Horticulture Academy, University of Hyogo. The morning sessions explored the role of tree doctors in green infrastructure and case studies from Japan, while the afternoon provided hands-on group practice in tree health diagnosis. Using NCUT’s newly established national landscaping technician certification site, students carried out practical exercises and received immediate professional feedback.

A closed-door academic meeting was also held, where NCUT and the University of Hyogo discussed future collaboration, aiming to establish a long-term exchange mechanism. NCUT emphasized that the workshop not only enhanced students’ practical skills and early exposure to industry practices but also fostered professional interaction among academia, industry, and government—creating a win-win model. The university will continue to promote sustainable exchange platforms to advance the landscape industry and improve the quality of public construction.

NCUT Recognizes Taichung's Achievement in QS Best Student Cities 2026 — Ranked 113th Globally

National Chin-Yi University of Technology (NCUT) is pleased to announce that its home city, Taichung, has been ranked 113th in the newly released QS Best Student Cities 2026 rankings.

The QS Best Student Cities Ranking, published by the global higher education organization QS, is an important international benchmark. It evaluates cities based on a range of factors, including affordability, desirability, and student feedback, providing a comprehensive overview of the world's most attractive places to live and study.

Taichung's recognition in the 2027 ranking highlights the city's strengths in terms of convenient living, rich educational resources, and a welcoming environment for international students. This achievement not only underscores Taichung's appeal as a livable city but also enhances NCUT's competitiveness in attracting global students to study in Taiwan.

NCUT stated that with Taichung receiving international recognition, the university will continue to advance its internationalization strategies, fostering diverse academic exchanges and industry-academia collaborations to provide both domestic and international students with a high-quality educational environment and learning experience.

CONGRATULATIONS!

NCUT Launches "Third Age University" Program to Create New Learning Opportunities for the Midlife Generation

The Ministry of Education has introduced the "Third Age University Pilot Program" this year, encouraging individuals aged 55 and above to pursue lifelong learning, foster self-growth, and continue contributing to society. National Chin-Yi University of Technology (NCUT) is participating for the first time, with the Department of Health Industry Technology and Management and the Department of Business Administration jointly enrolling students to provide a cross-disciplinary learning platform.

The Health Industry Department has launched the "Active Aging Program in Exercise and Health Management," covering elderly care, exercise guidance, nutrition, and health management. This program equips learners with practical skills applicable in community health promotion, institutional services, and personal health management, while also opening opportunities for career transition, employment, or entrepreneurship.

Meanwhile, the Business Administration Department has established the "Career Transition and Design Program" (AI and Digital Innovation Track), which focuses on bridging the gap between theory and practice while enhancing management expertise, international communication, and humanistic literacy.

NCUT stated that the Third Age University adopts a flexible and structured learning model tailored to adult learners, helping the midlife generation build a sustainable lifelong learning system, continue creating value in their new life stage, and embrace diverse future opportunities.

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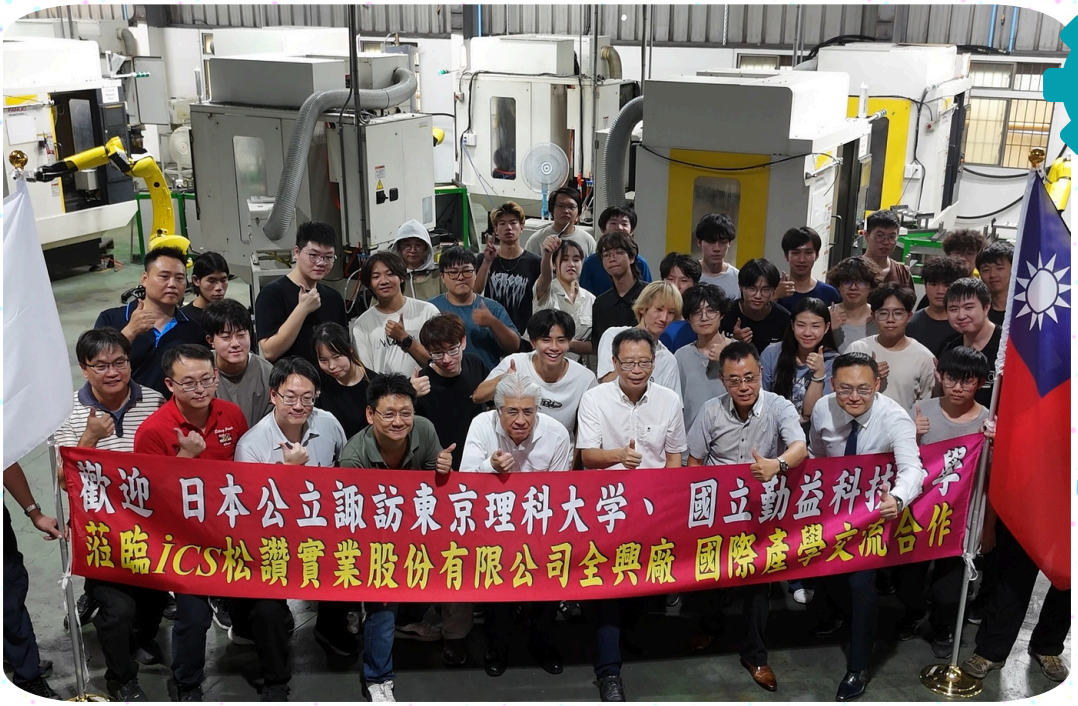
NCUT Advances International Industry-Academia Collaboration: Taiwanese and Japanese Students Build a Real Automation Production Line in Three Days



NATIONAL CHIN-YI UNIVERSITY OF TECHNOLOGY (NCUT) HAS LONG CULTIVATED CLOSE TIES WITH THE CENTRAL TAIWAN INDUSTRIAL CLUSTER, WORKING CLOSELY WITH SONGZAN INDUSTRIAL CO., LTD. AND MAINTAINING STRONG ACADEMIC EXCHANGES WITH SUWA TOKYO UNIVERSITY OF SCIENCE, JAPAN. THESE COLLABORATIONS LAID THE FOUNDATION FOR THE LATEST INTERNATIONAL INDUSTRY-ACADEMIA COLLABORATION PROGRAM.

THE THREE-DAY EVENT WAS HELD AT SONGZAN'S QUANXING PLANT, BRINGING TOGETHER 32 STUDENTS (INCLUDING 5 FROM JAPAN) AND 4 NCUT PROFESSORS FROM THE DEPARTMENT OF INTELLIGENT AUTOMATION ENGINEERING, INCLUDING PROF. TA-JEN PENG, PROF. CHIH-JUNG CHEN, PROF. CHIA-HUNG LAI, AND PROF. PENG-JEN CHEN. UNLIKE TYPICAL CLASSROOM PROJECTS, STUDENTS WERE TASKED WITH BUILDING A FULLY FUNCTIONAL FLEXIBLE AUTOMATION PRODUCTION LINE IN A REAL FACTORY ENVIRONMENT, COVERING ROBOTIC GRIPPER DESIGN, LINE LAYOUT, PLC CONTROL, ELECTRICAL WIRING, AND ROBOTIC ARM INTEGRATION.

PROF. TA-JEN PENG EMPHASIZED THAT STUDENTS HAD CONDUCTED NEARLY A MONTH OF PREPARATORY SIMULATION BEFORE ENTERING THE FACTORY, ENABLING THEM TO IMMEDIATELY APPLY THEIR PLANS TO THE PRODUCTION LINE—AN EXPERIENCE THAT HIGHLIGHTS BOTH INDUSTRY TRANSFORMATION AND CROSS-CULTURAL COLLABORATION. HUNG-CHE FENG, GENERAL MANAGER OF SONGZAN, STRESSED THAT PRODUCTION LINE TRANSFORMATION IS ESSENTIAL AMID GLOBAL SUPPLY CHAIN CHALLENGES, AND THIS PROGRAM SHOWCASES THE STRENGTH OF INDUSTRY-ACADEMIA COOPERATION AND CORPORATE SOCIAL RESPONSIBILITY. MASA HIDE OSHIMA, VICE PRESIDENT OF SUWA TOKYO UNIVERSITY OF SCIENCE, PRAISED THE STUDENTS FOR OVERCOMING LANGUAGE AND CULTURAL BARRIERS TO JOINTLY COMPLETE A REAL PRODUCTION LINE WITHIN A LIMITED TIME.

NCUT NOTED THAT THE PROGRAM'S GREATEST FEATURE IS ITS CHALLENGE OF WORKING WITH A REAL PRODUCTION LINE RATHER THAN A SIMULATED ONE. MOVING FORWARD, NCUT WILL CONTINUE TO DEEPEN PARTNERSHIPS WITH INDUSTRY AND INTERNATIONAL ACADEMIA, PROMOTING MORE HANDS-ON, CROSS-BORDER PROJECTS THAT PREPARE STUDENTS TO BECOME NOT ONLY LEARNERS OF KNOWLEDGE BUT ALSO ACTIVE PARTICIPANTS IN PRACTICE.