

國立勤益科技大學

勤益
新訊

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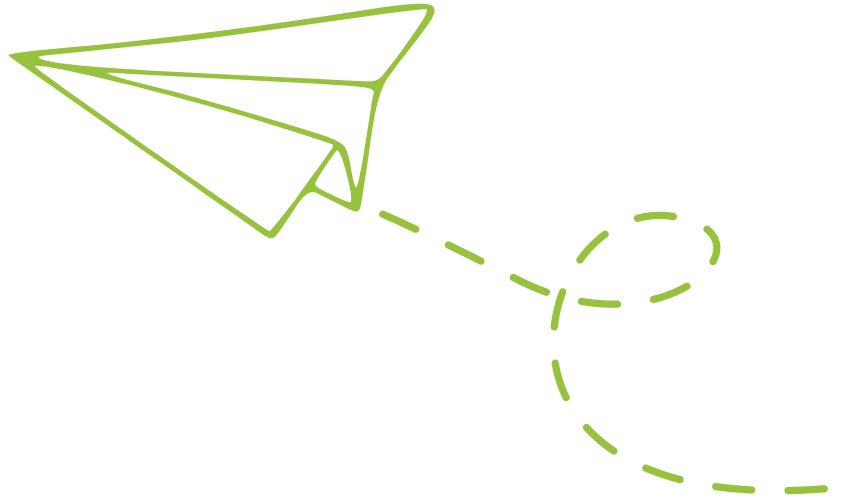


勤益科大官網

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NCUT INVITES PROF. LIN PEI-YI TO DELIVER LECTURE ON GENERATIVE AI AND LANDSCAPE DESIGN



With the rapid development of Artificial Intelligence (AI) in recent years, the application of generative AI in architecture and landscape design has become increasingly diverse. On October 3, the Department of Landscape Architecture at National Chin-Yi University of Technology (NCUT) invited Associate Professor Lin Pei-Yi from the School of Art and Design, Fuzhou University of International Studies and Trade, to deliver a lecture titled “Generative AI-Assisted Landscape Design.” The event attracted enthusiastic participation and lively discussions among faculty and students.

Prof. Lin, a former adjunct lecturer at NCUT, has long been devoted to integrating AI with design practice. He noted that the value of generative AI lies not only in saving time but also in expanding creative possibilities. What used to take several hours to produce can now be generated within minutes, allowing designers to rapidly adjust concepts, test ideas, and explore multiple design directions.

During the lecture, Prof. Lin explained the principles of generative AI and clarified common misconceptions. AI, he emphasized, does not “copy” or “collage” images but rather reconstructs new visuals through massive data learning. By inputting prompts such as “tropical seaside park” or “bamboo-structured plaza,” designers can instantly generate various concept images to inspire design development.

Prof. Lin also introduced two major AI platforms—Stable Diffusion and Midjourney—and reminded attendees of the importance of addressing intellectual property and ethical issues when using AI tools. Department Chair Fang Chih-Fang expressed gratitude to Prof. Lin, remarking that while AI will not replace designers, “those who can skillfully use AI will surpass those who cannot.” She encouraged students to embrace AI as a creative partner and to develop new perspectives in landscape design.



Stable Diffusion Midjourney



NCUT and University of Hyogo Sign MOU to Promote International Collaboration in Landscape Education

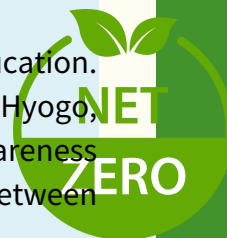


The Department of Landscape Architecture at NCUT has signed a Memorandum of Understanding (MOU) with the Awaji Landscape Planning & Horticulture School, University of Hyogo in Japan. The partnership aims to strengthen international cooperation in landscape education and research, cultivating professionals with global perspectives and practical expertise.

The collaboration originated from the “Japanese Tree Doctor Workshop” held on August 14, when NCUT invited Professor Takashi Oyabu from the University of Hyogo to deliver lectures on advanced tree health diagnosis and maintenance concepts. Prof. Oyabu, a certified Tree Doctor and a leading expert in landscape horticulture, introduced cutting-edge Japanese practices that received wide acclaim from both academia and industry, paving the way for deeper institutional cooperation.

The Awaji Landscape Planning & Horticulture School, Japan’s only public institution specializing in horticultural therapy, emphasizes the philosophy of “coexistence between humans and nature.” Its curriculum integrates theory with practice, covering landscape construction, environmental conservation, horticultural technology, and therapy—fields in which it holds a leading national position. Department Chair Fang noted that both institutions share a “learning-by-doing” philosophy. Through this MOU, the two universities will collaborate in four key areas: joint research, faculty exchanges, student mobility, and academic resource sharing.

This partnership marks a new milestone in Taiwan–Japan cooperation in landscape education. NCUT looks forward to deepening academic and cultural exchange with the University of Hyogo, fostering a new generation of landscape professionals equipped with sustainability awareness and innovative vision, and continuing to advance the ideal of “harmonious coexistence between humans and nature.”



NCUT Hosts “Starlit Flow” Joint Exhibition and Art Industry Forum – Inspiring New Perspectives in Cultural Creativity



The Department of Cultural and Creative Industries at NCUT held the exhibition “Starlit Flow: A Joint Exhibition by Wu, Ching-Chuan and Lo, Hui-Chen” at the university’s Experimental Gallery in the “Cultural and Creative Base.” The event also featured the forum “Painters and Galleries — The Encounter and Harmony Between Talent and Vision,” which gathered experienced gallery operators and artists to discuss new opportunities in Taiwan’s art and creative industries.

NCUT President Dr. Chen, Kuen-Suan attended the opening ceremony, emphasizing that although NCUT was founded as an engineering-focused university, the Cultural and Creative Industries Department was established to cultivate professionals with humanistic literacy, social concern, technical expertise, and global vision. He encouraged students to integrate creativity with technology, stating that “only when science and culture advance together can we create a society that is both innovative and warm.”

The forum was planned and moderated by Professor Yu, featuring key industry leaders such as Chairman Chung Ching-Hsin of Elephant Art Space, representatives from King’s Auction House and Shou-Jie Art Co., and the manager of Star Red Gallery. The discussion explored trust and cooperation between artists and galleries, art market trends, gallery management, cross-sector collaboration, and sustainable development within the art ecosystem.

The venue showcased “Starlit Flow” alongside selected works from emerging artists, creating a dialogue between art and audience. Participants agreed that while competition in the art market is intense, mutual trust between creators and galleries remains crucial for achieving cultural sustainability and industrial growth.

NCUT

Department of Mechanical Engineering Holds Off-Campus Learning Activity for Industry-Academia Program Students



On October 3, 2025, the Department of Mechanical Engineering at National Chin-Yi University of Technology (NCUT) organized an off-campus learning activity for students enrolled in its industry-academia collaboration programs. The department currently offers three specialized tracks: the Machine Tools and Precision Mold Design & Manufacturing Program, the Precision Machinery Program, and the Intelligent Machinery Application Program.

Through these four-year programs, students combine academic learning with hands-on corporate internships, achieving the goal of integrating study and practice. They not only earn their bachelor's degrees but also accumulate valuable workplace experience—an impressive demonstration of their dedication and perseverance.

To help students relieve stress from both work and coursework while strengthening team spirit and extending classroom learning, the department arranged this off-campus activity. The itinerary included a paintball challenge in Puli, an outdoor barbecue, and a cycling trip around Sun Moon Lake. These activities allowed students to relax in nature, bond with classmates, and enjoy the unique experiences of university life.

The event successfully balanced the dual goals of learning and employment for industry-academia students. Through experiential learning and teamwork, participants enhanced their collaboration and communication skills, showcasing the Department of Mechanical Engineering's commitment to cultivating professional talent and strengthening industry-academia connections at NCUT.



TSMC Partners with NCUT to Launch the “2026 Pre-Employment Program”



To help students better connect with industry and understand workplace trends, Taiwan Semiconductor Manufacturing Company (TSMC) and the Talent Acquisition Department of TSMC’s Taiwan Human Resources Operations Division held the “2026 TSMC Pre-Employment Program – Pre-hire and R&D Substitute Service Recruitment Briefing” on Thursday, October 16, at National Chin-Yi University of Technology (NCUT). The event took place at the 1st-floor plaza and 2nd-floor Juxian Hall of Qingyong Building, drawing an enthusiastic turnout from faculty and students across related departments.

The activity was co-organized by NCUT’s Internship and Career Development Section under the Office of Research and Development. TSMC dispatched its mobile recruitment bus to campus

to host an on-site seminar introducing the company’s R&D substitute service and pre-hire system. Representatives shared information about work responsibilities, training mechanisms, and future career development pathways. In addition, several

NCUT alumni currently working at TSMC joined the event for pre-talk sessions, engaging with students to share insights into corporate culture and real-world work experiences, helping participants prepare for future careers in the semiconductor industry.

The program primarily targets 2026 graduating students majoring in electrical engineering, electronics, optoelectronics, telecommunications, physics, materials science, chemistry, chemical engineering, mechanical engineering, computer science, information management, industrial engineering, environmental engineering, and management-related fields. Through interactions with alumni, students gained first-hand understanding of the latest developments in the semiconductor sector and the technical talent demands of the industry, enabling them to plan their career paths in advance.

NCUT stated that the university has long been dedicated to promoting industry-academia cooperation and has built a strong foundation of collaboration with leading enterprises. By hosting such corporate campus activities, NCUT aims to help students engage with industry early, enhance their employability, and cultivate outstanding R&D and engineering professionals for Taiwan’s high-tech industries.





NCUT Wins Multiple Awards at the 2025 Taipei International Invention Show



NCUT continues to demonstrate its strong research and innovation capacity, winning one gold, two silver, and three bronze medals at the 2025 Taipei International Invention Show announced on October 18. The results highlight NCUT's excellence in technological innovation and its growing international competitiveness.

All winning projects were selected through the university's internal invention competition held in May 2025. The gold medal went to Professor Shao-Hsien Chen from the Department of Mechanical Engineering for his Precision Sensing System for Feed Platforms, which combines multiple sensors with a Kalman-filter algorithm to monitor frictional changes and predict mechanical transmission errors in real time. With a resolution of 5 μm and a 90% accuracy rate, the system has potential applications in precision machinery, semiconductors, and biomedical devices.

Silver medals were awarded to Professor Jin-Bo Shih from the Department of Electronic Engineering for his Fingertip Training Device and Method and Professor Guo-Yi Li from the Department of Industrial Engineering and Management for his Remote Vehicle Compartment Rapid Cooling Control Device. Shih's "CuTouch Station" enables multimodal rehabilitation for stroke patients, while Li's design uses Wi-Fi or Bluetooth to remotely activate car air-conditioning systems for quick cooling and safety improvement.

Bronze medals went to projects led by Zhen-Feng Guan and Zhen-Yuan Yang, Yu-Tong Yao, and Jing-Feng He, featuring innovations in sustainable materials, electronic power design, and AI-assisted manufacturing.

NCUT emphasized that each year up to 18 projects are selected from campus competitions to represent the university in major invention exhibitions, including those in Nuremberg, Germany, and Seoul, South Korea. Through such participation, NCUT continues to showcase the innovative strength of Taiwan's technical and vocational education while fostering industry-academia collaboration and sustainable development.



NCUT Distinguished Alumni Lecture Strengthens Alumni Ties and Explores Taiwan's Semiconductor Industry



To enhance industry-academia collaboration and strengthen alumni connections, National Chin-Yi University of Technology (NCUT) held a Distinguished Alumni Lecture on October 18, 2025 (Saturday) at the International Conference Hall, 6th floor of the Library and Information Center. The university invited its outstanding alumnus, Mr. Ho Kun-Nien, Chairman of Ze-Mi Technology Co., Ltd., to deliver a keynote speech titled “The Development and Impact of Taiwan’s Semiconductor Foundry Industry.” The event attracted numerous alumni and business representatives, filling the venue with enthusiastic energy.

The program opened with vibrant performances by NCUT’s Guitar Club and Dance Club, bringing youthful spirit to the stage. In his remarks, President Chen Kun-Sheng fondly recalled his first term 18 years ago, during which he initiated major campus development projects that laid the foundation for NCUT’s current growth. Returning to office after 12 years, he expressed pride in the university’s achievements and alumni success. President Chen noted that NCUT now ranks 1,286th globally, 294th in Asia, and 3rd among Taiwan’s technological universities in the QS World University Rankings, underscoring its continued progress in research and internationalization. He pledged to further strengthen industry partnerships and global links, helping students balance practical skills and innovation.

Chairman Ho, an alumnus from the Department of Electrical Engineering (Class of 1973, 12th cohort), has over 30 years of experience in the semiconductor and optical coating industries. He participated in Taiwan’s first 12-inch DRAM wafer-fab design project and later founded Ze-Mi Technology in 2003, establishing a Class-100 cleanroom specializing in optical coating, camera module low-pass filters (OLPF), and semiconductor optical technologies. His products are used in 3D sensing, AR/VR/MR, and 5G optical applications, and the company has recently expanded into Vietnam, advancing in advanced packaging and diffractive waveguide glass manufacturing.

During his talk, Chairman Ho reviewed Taiwan’s semiconductor evolution—from vacuum tubes and transistors to the AI era—stressing that “technological innovation is the core of national competitiveness.” He encouraged students to seize learning opportunities, embrace challenges, and become new drivers of industrial transformation.

NCUT stated that the event not only served as a platform for dialogue between academia and industry but also strengthened alumni connections. The university will continue to host distinguished alumni lectures and build alumni-industry networks, making alumni engagement a vital force in NCUT’s sustainable development.

NCUT Department of Mechanical Engineering Alumni Association Hosts Hiking and Cultural Day Tour — A Relaxing Blend of Health, Leisure, and Art



Combining leisure, wellness, and cultural aesthetics, this one-day trip offered participants a truly refreshing and heartwarming experience. The Department of Mechanical Engineering Alumni Association of NCUT successfully held its 2025 second-half hiking and cultural tour, marking the final “Travel & Explore” event organized under Chairman Wu, Jack’s term. Founding President Chen, Hans, Vice Chairman Chiu, Chun-Mao, and numerous board members, alumni, and their families enthusiastically joined the event.

The day began at the Chukeng Nanliao Trail in Longjing, Taichung, where the cool weather and gentle sunshine provided the perfect conditions for hiking. Alumni cheerfully followed the wooden paths through shaded forests, chatting and laughing along the way. From the observation deck, participants enjoyed breathtaking views of the Dadu Mountain range and the distant coastline, many noting that the peaceful trail was “truly therapeutic for both body and mind.”

After the hike, thanks to the thoughtful planning of Alumnus Wu Chao-Wen, the group continued to Wuci Cultural Affairs Office, a restored century-old Japanese-style building and popular cultural landmark, and then visited Chaoyuan Temple, learning about the area’s rich heritage and local stories. In the afternoon, the group toured Wu’s Wuci Travel Inn, coinciding with the opening of artist Kuo Yi’s solo exhibition, “Golden Splendor.”

Featuring exquisite goldfish-themed paintings symbolizing prosperity and vitality, the exhibition brought warmth and inspiration to all.

Wu also shared his insights on connecting local industries through his innovative “Concert Economy” model, demonstrating the creativity and business acumen of NCUT alumni. From mountain hiking to cultural exploration and art appreciation, this “Chukeng–Wuci Cultural Journey” was more than a trip—it was a day of friendship, inspiration, and rejuvenation. The association expressed gratitude to all participants and organizers and looks forward to future gatherings that continue to strengthen the NCUT Mechanical Engineering community.

