

國立臺灣科技大學 Taiwan Tech

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臺科大  
TAIWAN TECH



NEWS 校內新聞快報





**HOT NEWS**

# 臺科大 Taiwan Tech

**校內新聞快報【三月・第13期】**

**School News Bulletin, March, Issue 13**

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## 臺科大徵才博覽會300攤位創新高 1.5萬職缺搶頂尖人才

📅 2024-03-28

### Taiwan Tech's job fair sets a new record with 300 booths and 15,000 job openings for top talents



臺灣科技大學3月28日校園徵才博覽會熱鬧登場！本次有215家求才廠商，300攤位創新高，釋出逾1.5萬個就業機會，橫跨電子科技、金控、製造、營建、專業、科學及技術服務業等各大領域，更包括不少知名上市櫃公司如台積電、光寶科技、台灣國際航電Garmin、艾司摩爾ASML等科技大廠，而校友企業如業績亮眼的鈺象電子、工業電腦大廠研揚科技等也參與這次博覽會，大舉徵求科技頂尖人才。臺科大約有12%是境外學生，外籍研究生人數更居全台之冠，為積極網羅外籍優秀人才，包含和碩、友訊、奇鼎、美光等科技公司、電源大廠台達電、電子代工鴻海精密等約33家廠商也提供外籍職缺，特別於會場上張貼外籍徵才標誌貼紙，向外籍生招手求才。光寶科技為加深求職者對其第一印象與專業度，今年首次將帶有「LITEON」企業識別的展攤車直接停放攤位，有效呈現光寶科技在光電、雲端及物聯網、資訊及消費性電子方面專業。[...點擊看更多](#)

On March 28th, the Campus Recruitment and Internship Expo of Taiwan Tech kicked off! This event featured 215 recruiting companies, reaching a new high with 300 booths and offering over 15,000 job opportunities across various fields including electronics technology, financial services, manufacturing, construction, professional services, science, and technology. Many renowned listed companies such as TSMC, LITE-ON Technology, Taiwan International Avionics Garmin, ASML, and alumni-owned enterprises like the outstanding performance of International Games System Co., Ltd., and AAEON, participated in this fair, actively recruiting top talents in the scientific and technological sector. Approximately 12% of Taiwan Tech's students are international students, with the number of foreign research students ranking the highest nationwide. [...more](#)

## 臺科大攜手勞動部成立據點 結合產官學培育永續人才

📅 2024-03-27

### Taiwan Tech collaborates with the Ministry of Labor to establish a base, integrating industry, government, and academia to cultivate sustainable talents



全球面臨ESG永續發展浪潮，為解決企業在ESG人才招募、培育、運用的難題，國立臺灣科技大學與勞動部勞動力發展署北分署攜手合作，成立「ESG永續發展產業人才培訓據點」，期盼加速綠領人才培育、引導企業綠色轉型，為台灣永續發展人才注入強勁動能。臺科大及勞動部進一步與研揚科技、中鼎工程、華能光電科技、冠呈能源環控、財團法人台灣永續能源研究基金會等32個單位共同建立「ESG永續發展人才培訓策略聯盟」，攜手關注淨零發展與產業需求，密切合作共同培育國家永續發展人才，展現出臺科大對於ESG人才培育的努力與重視。勞動部許銘春部長偕同國立臺灣科技大學及32個企業、單位建立策略聯盟，打造ESG永續發展國家隊。[...點擊看更多](#)

The world is facing a wave of ESG sustainable development. To solve the problems faced by enterprises in recruiting, cultivating, and utilizing ESG talents, Taiwan Tech collaborates with the Workforce Development Agency of the Ministry of Labor, Northern Branch, to establish the “ESG Sustainable Development Industry Talent Training Base”. It aims to accelerate the cultivation of green-collar talents, guide enterprises in green transformation, and inject strong momentum into Taiwan's sustainable talent development. Taiwan Tech and the Ministry of Labor have partnered with 32 organizations, including AAEON Technology Inc., CTCI Corporation, Energyled Corporation, EKC Energy and Environmental Control, Ltd., and the Taiwan Institute for Sustainable Energy Research, to collectively establish the “ESG Sustainable Development Talent Training Strategy Alliance”. Together, they focus on net-zero development and industry needs, closely collaborating to cultivate national sustainable development talents. This demonstrates Taiwan Tech's dedication and emphasis on ESG talent cultivation. [...more](#)

## 巴拉圭資通科技部長訪臺科大借鑑產官學合作經驗 促進臺巴緊密連結

📅 2024-03-25



## Paraguayan Minister of Information and Communication Technologies visits Taiwan Tech to learn from industry-academia collaboration experience, promoting closer Taiwan-Paraguay ties



國立臺灣科技大學與友邦巴拉圭在教育及科技領域都有密切交流與合作，日前巴拉圭資訊科技部長比亞德(Gustavo Emigdio Villate Samaniego)率領代表團訪問臺科大，進行雙邊會談及學生交流，會談關鍵議題包含產學合作及臺灣-巴拉圭科技大學(以下簡稱臺巴科大)碩博士獎學金等，顏家鈺校長也積極分享經驗及成果，促進資源共享、技術交流與人才培育。比亞德部長指出，致力將臺巴科大打造為研究型大學，促進師生理論及實務上的鑽研及應用，提升巴拉圭整體研究水準，希望可以借鑑臺科大在研發及企業合作方面的經驗。臺科大與企業均保持長遠合作關係，企業也贊助相關研究經費，劉志成副校長舉例：除一般產學合作，臺科大更與多家企業成立聯合研發中心，提供業界所需的前瞻研發、管理、諮詢等服務，校方也從企業端獲得穩定的經費來源。巴拉圭資訊科技部長顧問卡尼薩(Horacio José Caniza Vierci)也提到，巴拉圭學士是以基礎科學、工程知識為主，工程學院陳明志院長則建議臺巴科大設置碩、博士班，培養更多研究人員，並加速建立研究中心，規劃產學合作研發計畫。[...點擊看更多](#)

Taiwan Tech and the friendly nation of Paraguay have had close exchanges and collaborations in the fields of education, science, and technology. Recently, Gustavo Emigdio Villate Samaniego, the Minister of Information and Communication Technologies of Paraguay, led a delegation to visit Taiwan Tech for bilateral discussions and student exchanges. Key topics discussed during the meeting included industry-academia collaboration and scholarships for graduate studies at the Universidad Politecnica Taiwán Paraguay (hereinafter referred to as Taiwan-Paraguay Polytechnic University). President Jia-Yush Yen also actively shared experiences and achievements to promote resource sharing, technology exchange, and talent cultivation. Minister Samaniego expressed his commitment to developing Taiwan-Paraguay Polytechnic University into a research-oriented university to promote theoretical and practical research and applications among faculty and students, enhancing Paraguay's overall research capabilities. [...more](#)

## 臺科大歡慶49週年 亞運銀牌賴主恩勉勵學生展現奧運精神

### Taiwan Tech celebrates its 49th anniversary; Asian Games Silver Medalist Zhu-En Lai encourages students to demonstrate Olympic spirit

2024-03-23



國立臺灣科技大學今年喜迎49週年校慶，每年3月開始就是臺科大的體育季，從16日舉辦健康路跑活動，象徵一系列校慶活動開跑，今(23)日也舉行運動會及園遊會，特別邀請2023年杭州亞運拳擊銀牌選手賴主恩擔任運動會嘉賓，為校慶活動增添風采。台灣拳擊好手賴主恩經歷多年低潮後浴火重生，一拳一擊擊出通往巴黎奧運的門票，賴主恩說，這是他第一次感受到最熱情活潑的運動會表演，他希望學生無論在生活中或是運動場上，都能展現奧林匹克的核心價值「追求卓越、相互尊重、建立友誼」。臺科大校長顏家鈺說，經過49年的努力，臺科大的畢業生被社會肯定與熱愛，希望學生能繼續保持活力與創意，向世界呈現臺科大嶄新多元的面貌。臺科大明年即將迎來50週歲生日，顏家鈺校長也宣告50週年系列活動即將正式展開，其中包含系列國際研討會、大型音樂會及全台灣校友會串聯「鐵騎環台」等，活動豐富多彩，展現出臺科大師生與校友的凝聚力。[...點擊看更多](#)

This year, Taiwan Tech celebrates its 49th anniversary. March marks the beginning of Taiwan Tech's sports season, kicking off with a health run on the 16th, symbolizing the start of a series of anniversary activities. Today (March 23rd), sports day and garden outings are held, with special guest Zhu-En Lai, the silver medalist in boxing at the 2023 Hangzhou Asian Games, adding style to the school anniversary event. Taiwanese boxer Zhu-En Lai, after years of setbacks, has resurrected. He punched his way to the Paris Olympics with one punch. Zhu-En Lai expressed that this was the first time he had experienced such a lively and passionate sports event. He hopes that students, both in their daily lives and on the sports field, can embody the core Olympic values of "striving for excellence, mutual respect, and fostering friendships". [...more](#)

## 臺科大觀摩日本三重縣永續發展再造力 見習社會責任議題融入教育

### Taiwan Tech observes the sustainable development and regeneration capabilities of Mie Prefecture in Japan, and trains students to integrate social responsibility issues into education.

2024-03-21





國立臺灣科技大學師資培育中心執行「I - Villages : Mobility for Change城鄉牽手移動力再建構計畫」與「111年度教育部補助師資培育之大學辦理國外教育見習教育實習及國際史懷哲計畫」，特別開放外校名額，提供全臺各校師培生機會。因此計劃成員包括臺科大、政大、陽明交大、中興大學、北科大等多校的師培生，以及臺科大數位所研究生，一同前往日本中部的三重縣進行實地考察，深度觀課桑名市津田學院。不僅看見日本與台灣之間不同的教育文化，也發現學生、老師在教學中不同屬性、特質，開拓國際視野，寬闊教育胸襟。臺科大數位所翁楊絲茜教授表示，交流的核心價值在見賢思齊，期許學生可以透過本次參訪學習彼此優點，思考雙方短處，一同往更好的方向前進。本次參訪桑名市的津田學院，是一所日本的完全中學，從幼稚園到高中都包含在內，學校坐落在遠離都市喧囂的山上。[...點擊看更多](#)

Taiwan Tech's Teacher Education Center is carrying out projects: "I - Villages: Mobility for Change, Reconstructing the Power of Urban and Rural Cooperation" and the "2022 Ministry of Education Subsidy for Teacher Education Institutions to Conduct Overseas Educational Internships and International Schweitzer programs". They are opening up spots for students from other universities, providing teacher trainees from all over Taiwan with opportunities. Therefore, the project members include teacher trainees from multiple schools such as Taiwan Tech, National Chengchi University, National Yang Ming Chiao Tung University, National Chung Hsing University, and National Taipei University of Technology, as well as graduate students from the Graduate Institute of Digital Learning and Education at Taiwan Tech. Together, they visited Mie Prefecture in central Japan for a field trip and conducted in-depth observations at Tsuda Academy in Kuwana City. [...more](#)

## 臺科大校長：技高師培轉型，需要比企業快

2024-03-20

### President of Taiwan Tech: Transformation of technical higher education requires faster speed than enterprises



順應技術不斷更迭趨勢，未來大學將逐漸擴展教育頻譜至回流教育。技術型高中必須正視在學生傾向升學情況下，課程應更注重實作，再引導回學科，替學子打下堅實知識基礎。在科大教學現場，教授多期望學生在入學前已掌握某些技能。但學生若停留在過去技術知識，對科大教授將很棘手。技高教師傳授的技術知識因快速變遷，必須持續進修以跟上時代。「技術及職業教育法」於2019年底修法後，卻有許多師培生決定留在業界，導致技職教育師資流失。因此，建議抓住未來技高師資需求，並給予更多彈性。要解決學界與產業落差，可利用寒暑假到業界學習，或者校方可透過產學合作聘請業師，就不需花費一年時間。其次是盤點全台技高5到10年間的各項師資缺口，讓有意從事教職的學生不必擔心成為流浪教師，精準招收人才進入師培系統。[...點擊看更多](#)

In response to the trend of continuous technological changes, universities will gradually expand the educational spectrum to meet education needs in the future. Technical high schools must face the reality that students tend to pursue higher education, and their curriculum should focus more on practice and then guide them back to academic subjects, thereby laying a solid foundation of knowledge for students. In the teaching scene of universities, professors often expect students to have mastered certain skills before admission. However, if students remain stuck in outdated technical knowledge, it can pose a challenge for university professors. The technical knowledge taught by technical high school teachers must undergo continuous updating to keep pace with rapid changes.[...more](#)

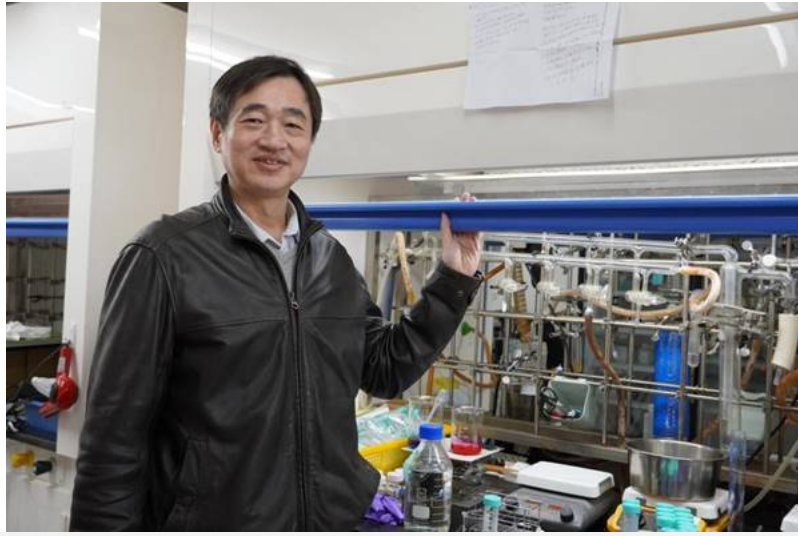
## 臺科大教授研發循環腫瘤細胞計數系統1小時就有結果 爭取癌症治療黃金時間

2024-03-18

### Taiwan Tech's professor develops a circulating tumor cell counting system, providing results within 1 hour, striving for the golden time for cancer treatment

根據衛福部公告的國人十大死因，癌症已經連續41年蟬聯第一，癌症轉移也成為患者最害怕發生惡夢。國立臺灣科技大學材料科學與工程系陳建光教授研發「全自動雷射繞射免標記流式細胞計數系統」，可以在一小時內完成癌症循環腫瘤細胞(CTC)的數量檢測，提早發現微小轉移及風險，為癌症的早期診斷與治療提供快速有力的參考指標，該研究也獲得國家新創獎肯定。癌症腫瘤擴張會釋放出循環腫瘤細胞(CTC)進入血液，因此血液中若發現CTC，就代表人體有相當高的癌症風險，CTC隨著周邊血進入其他器官後，很大機率會形成新的轉移腫瘤，因此CTC的數量與腫瘤活性、癌症轉移機率、癌症擴張進程息息相關，所以可成為癌症手術或藥物治療成效的良好指標，方便醫生監控癌症細胞及調整治療方案。然而現今的CTC記數是以磁珠捕捉螢光染色法為主，過程需要專業技術人





員進行操作及判讀，需要二周才能獲得檢測結果，過程繁瑣費時且染劑時效與操作者判讀會影響準確度及穩定度，且目前屬於醫院自費項目，每次檢測費用約在1.5~2萬元之間，難以推廣至普羅大眾。[...點擊看更多](#)

According to the Ministry of Health and Welfare's announcement of the top ten causes of death in Taiwan, cancer has ranked first for 41 consecutive years, with cancer metastasis being the nightmare patients fear the most. Professor Jem-Kun Chen from the Department of Materials Science and Engineering at Taiwan Tech has developed a "fully automated laser diffraction label-free flow cytometry system" that can detect the number of cancer circulating tumor cells (CTCs) within one hour and detect tiny micro-metastasis and disease risk early, providing a rapid and powerful reference indicator for the early diagnosis and treatment of cancer. The research has also won the National Innovation Award. As tumors grow, they release circulating tumor cells (CTCs) into the bloodstream. Thus, finding CTCs in the blood indicates a significant risk of cancer. [...more](#)

## 臺科大培訓外籍人才創業 印尼團隊幫助農民提高收成

📅 2024-03-14

### Taiwan Tech trains foreign talents to start a business: Indonesian team helps farmers increase crops



臺灣科技大學3位就讀管理學院MBA的印尼同學張軒璵、李穆緣、李美蒨，加上化工系校友劉文亮，組成印尼籍創業團隊PT Daun Pintar Raya，是臺科大第二屆「外籍人才創新創業培訓計畫」的特優團隊。設計自動化系統提高水耕作物產量及品質，同時優化系統測量精確度、效率及使用者便利性，整合物聯網及APP監控，希望幫助印尼農民輕鬆提高收成品質。PT Daun Pintar Raya的APP已經上架營運，且與印尼政府合作。在雅加達，不只提供當地農民包括機器、服務以及教學，並與當地政府簽署合約；亦逐步與新首都努山塔拉的政府官員持續討論合作機會。另外，也已在商品採購局（LKPP）網頁註冊，若印尼政府需要水耕栽培技術及產品，將優先與註冊廠商聯絡、購買。MBA碩一的印尼華僑張軒璵同學表示，印尼有半年是雨季，一開始是看到印尼農民易受天災影響耕作，希望利用科技來協助農民，於是在2022年開始創業。[...點擊看更多](#)

Three Indonesian students, Xuan-Li Zhang, Mu-Yuan Li, and Mei-Qian Li, who are studying in the MBA program at Taiwan Tech, along with Taiwan Tech Chemical Engineering alumni Wen-Liang Liu, have formed the Indonesian entrepreneurial team PT Daun Pintar Raya. They are the outstanding team of Taiwan Tech's second "Global Talent Entrepreneurship Program Orientation". Their design focuses on automating systems to improve the yield and quality of hydroponic crops, while also optimizing system measurement accuracy, efficiency, and user convenience. By integrating the Internet of Things (IoT) and app monitoring, they aim to assist Indonesian farmers in effortlessly enhancing the quality of their yields. The PT Daun Pintar Raya app is now operational and cooperates with the Indonesian government. [...more](#)

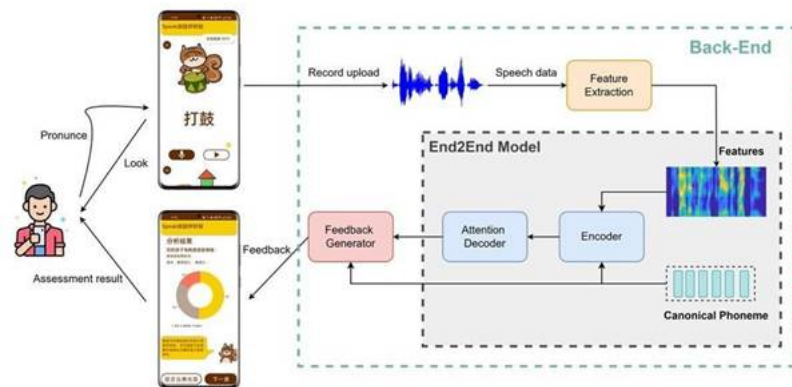
## 臺科大攜手國泰醫院助力遠距醫療 開發全台第一個語音篩檢APP改善兒童語音異常

📅 2024-03-11

### Taiwan Tech collaborates with Cathay General Hospital to support Telemedicine and develop Taiwan's First Voice Screening App to improve childhood speech abnormalities

語音異常（Speech Sound Disorder, SSD）是一種在兒童成長中常見的語言障礙類型，若未得到及早發現及治療，可能進一步演變為學習障礙，對兒童的學業及社交互動造成影響。為了解決這一問題，國立臺灣科技大學電子系阮聖彰教授團隊與汐止國泰醫院復健科塗雅雯主任團隊攜手合作，開發出全台第一個能夠透過手機快速初篩出兒童語音異常的工具：「Speech & Sound-SPEAK 慢慢說，語音篩檢評估」APP，提早發現並協助治療兒童發音「臭奶呆」的問題。「Speech & Sound-SPEAK 慢慢說，語音篩檢評估」APP（以下簡稱語音篩檢評估APP）可以免受地域限制，可以隨時隨地進行評估，為兒童提供早期發現和治療機會，它不僅提供初步的篩檢結果，還能提供語言治療師輔助診斷資訊，幫助醫療人員做出更準確的判斷和制定個別化的治療計劃，改善整體治療過程。[...點擊看更多](#)





Speech Sound Disorder (SSD) is a common type of language disorder in children's development. Without early detection and treatment, it may further develop into learning disabilities, impacting children's academic and social interactions. To address this issue, Professor Shanq-Jang Ruan's team from the Department of Electronic and Computer Engineering at Taiwan Tech in collaboration with Director Ya-Wen Tu's rehabilitation team from Cathay General Hospital in Xizhi, have developed Taiwan's first mobile application capable of quickly screening children for speech abnormalities: the "Speech & Sound-SPEAK" app. This app aims to identify and assist in treating children's speech issues early on. The "Speech & Sound-SPEAK" app allows for assessments regardless of geographical limitations, enabling evaluations anytime and anywhere. [...more](#)

## 104人力銀行「大學品牌力」評比報告，臺科大「研發力」、「校友薪資」指標全國第一

According to the 104 Job Bank's "University Brand Strength" evaluation report, Taiwan Tech ranks first in the nation for indicators such as "Research and Development Strength" and "Alumni Salary" 📅 2024-03-09



臺灣科技大學在104人力銀行於2月29日公布「大學品牌力」評比報告中，全國總排名第五，在校友薪資、研發力並列全國第一，產學力為全國第二，職務能力與未來能力為全國第五，資訊學群則為全國第三。臺科大在十大指標中，有九項皆優於前20名平均值。臺科大副校長劉志成指出，臺科大拿下「校友薪資」指標第一名，是對臺科大培育專業人才的實質肯定。臺科大調查畢業滿5年校友工作行業，人數最多的是專業、科學及技術服務業(29.26%)，製造業次之(28.77%)。部門則有30.04%集中在研發/開發，工程部門次之(18.18%)。若以畢業滿3年及1年校友來看，工作類型最高的則都是科學、技術、工程、數學類，再者為資訊科技類。在行業、部門及類型，均屬薪資較優渥類型，與校友薪資優異指標不謀而合。 [...點擊看更多](#)

In the "University Brand Strength" evaluation report released by 104 Job Bank on February 29, Taiwan Tech ranks fifth overall in the nation. However, it claims the top position nationwide for indicators such as "Alumni Salary" and "Research and Development Strength", and it ranks second in "Industry-Academia Collaboration", fifth in "Job Competence", and "Future Potential", and third in the "Information Technology" field. Taiwan Tech excels in nine out of ten indicators, surpassing the average of the top 20. Vice President Ji-Cheng Liu of Taiwan Tech pointed out that ranking first in the "Alumni Salary" indicator is a substantial acknowledgment of Taiwan Tech's cultivation of professional talents. The survey of alumni who have been working for five years shows that the largest number are employed in the professional, scientific, and technical services sector (29.26%), followed by the manufacturing sector (28.77%). [...more](#)

## 臺科大越南校友合作創業有成 實踐校友經濟圈最佳範例

Successful Entrepreneurship Collaboration by National Taiwan University of Science and Technology's Vietnamese Alumni: The Best Example of Alumni Economic Network in Practice 📅 2024-03-08



臺科大越南校友會2024年會於河內盛大舉辦，顏家鈺校長及校友總會陳劍威理事長帶隊參與年會盛事，並兵分兩路，由校長及葉穎蓉國際長帶領學術交流組拜訪肯特大學及河內百科大學，就國際合作事宜進行交流研討。周子銓副校長則帶領校友經濟組參訪校友企業，瞭解臺科大校友在越南合作創業的成果，並召開「越南校友經濟論壇」，研討在越南投資發展的商機、遠景及挑戰。由機械系與工管系校友於胡志明市合作創立的BENKON公司，專注於開發能源及空調系統整合之各項軟硬體技術應用，創辦人表示，是臺科大的同窗情誼，讓他們奠定了創業成功的基礎。而河內由台籍電機系、越南籍營建系及建築系校友所合作創立的PICONS公司，則在北越地區專營廠房地坪、空調及無塵室設備，提供開發、設計、監造設廠一條龍的專業服務，客戶遍及電子業及傳統產業知名跨國企業。

The 2024 Annual Meeting of Taiwan Tech's Vietnamese Alumni Association was held grandly in Hanoi. President Jia-Yush Yen and Chairman of the Alumni Association Jian-Wei Chen led the delegation to participate in the annual event. They were split into two groups: President Yen and Dean of International Affairs Ying-Jung Yeh led the academic exchange group to visit Cantho University and Hanoi University of Science and Technology to discuss international cooperation matters. Vice President Tzu-Chuan Chou led the alumni economic group to visit alumni enterprises, understand the achievements of Taiwan Tech alumni in



cooperation and entrepreneurship in Vietnam, and held the "Vietnamese Alumni Economic Forum" to discuss business opportunities, prospects, and challenges for investment and development in Vietnam. [...more](#)

## 「相聚同窗，共創未來」臺科大越南校友會年會於河內盛大舉辦

**Gathering Together, Creating the Future" – The Annual Meeting of Taiwan Tech's Vietnamese Alumni Association was grandly held in Hanoi**

📅 2024-03-08



本(2024)年3月2日，臺科大越南校友會以「相聚同窗，共創未來」為主題，歡慶越南校友會成立後的首次實體年會，臺科大由顏家鈺校長、周子銓副校長及葉穎蓉國際長，偕同校友總會陳劍威理事長、吳垵文副理事長，以及陳鴻儀、許恆壽前理事長等率團出席，EDBA/EMBA、中區、華東等校友會亦踴躍前往共襄盛舉，駐越南台北經濟文化辦事處林易民公使及北越台灣商會代表更親自出席祝賀，現場冠蓋雲集，熱鬧非凡。臺科大自2005年迎接首位越南國際學生來校就學，迄今越南籍學生已成為該校國際學生中人數次高者，畢業校友更達近500人，於學術界、產業界及公部門貢獻所長，表現優異。臺科大越南校友會成立於2020年，迄今共有河內、胡志明、峴港、肯特及臺灣五個分會，由於成立當年正值COVID-19疫情期間，僅能舉辦線上成立大會，此次首次舉辦實體年會，逾百位各地區校友、師長齊聚一堂，更顯意義重大。 [...點擊看更多](#)

On March 2, 2024, Taiwan Tech's Vietnamese Alumni Association celebrated its first physical annual meeting since its establishment under the theme "Gathering Together, Creating the Future". President Jia-Yush Yen, Vice President Tzu-Chuan Chou, and Dean of Office of International Affairs Ying-Jung Yeh from Taiwan Tech, together with Chairman of the Alumni Association Jian-Wei Chen, Vice Chairman Yu-Wen Wu, and former Chairman Hong-Yi Chen, and Heng-Shou Hsu, led a delegation to attend. Alumni associations such as EDBA/EMBA, Central, and East China also enthusiastically participated. The event was graced by the presence of Ambassador Yi-Min Lin from the Taipei Economic and Cultural Office in Vietnam and representatives from the Taiwan Chamber of Commerce in Northern Vietnam, who personally attended to extend their congratulations. The scene was bustling with excitement and filled with a lively atmosphere. [...more](#)

## 臺科大年輕女性學者方劭云教授研究卓越 首創以接腳圖案預測電路設計問題

**Professor Shao-Yun Fang, a young female scholar at Taiwan Tech, excels in research and has pioneered the use of footprint patterns to predict circuit design issues**

📅 2024-03-04



許多人對臺科大電機工程系方劭云教授第一印象往往是她的外表亮眼，但她的卓越研究不容小覷，她首創使用標準元件「接腳圖案」預測電路設計問題，以機器學習模型來提高預測準確率外，也可應用於整體電路設計最佳化。更曾獲109年吳大猷紀念獎以及去(112)年獲頒中研院「年輕學者研究成果獎」。方劭云解釋，數位電路是由標準元件組成，經由「接腳」連接金屬線，接起相連的標準元件。而當電路複雜程度越來越高時，「接腳」會被其他金屬線擋住，沒辦法順利連接。目前很多研究都利用「機器學習」來預測何時會出現設計問題，而她的研究發現，可以利用機器學習模型，以「接腳圖案」來預測問題是否會發生。她進一步介紹，使用這樣的最佳化方法，也可以解決大部分因接腳無法連線的設計問題。目前已經與全球最大的電子設計自動化(EDA·electronic design automation)公司合作，整合進電子設計自動化軟體之中。 [...點擊看更多](#)

Many people's first impression of Professor Shao-Yun Fang from the Department of Electrical Engineering at Taiwan Tech is often her striking appearance, but her outstanding research is not to be underestimated. She was the first to use standard component "footprint patterns" to predict circuit design issues. By employing machine learning models to enhance prediction accuracy, her work can also be applied to optimize the overall circuit design. Moreover, she was awarded the Ta-You Wu Memorial Award in 2020 and received the "Academia Sinica Early-Career Investigator Research Achievement Award" from Academia Sinica last year (112th year of the Republic of China). Explaining her research, Professor Shao-Yun Fang stated that digital circuits are composed of standard components, and metal wires are connected through "footprints", to connect adjacent standard components. [...more](#)



## 臺科大與工藝中心首場合作「森林之島」國產材虛實情境展

The first collaboration of Taiwan Tech and Craft Center's "Forest Island": a virtual and real situation exhibition of domestically produced materials

2024-03-04



國立臺灣科技大學與國立臺灣工藝研究發展中心攜手推廣國產材設計工藝產業，共同合作於臺科大第二教學大樓3樓建置國產材示範點展示空間，首場展覽為2月21日至3月4日的「森林之島」國產材虛實情境展，從傳統工藝出發，結合VR科技，融入空間、平面和產品設計，闡釋臺灣國產材多元應用。臺科大校長顏家鈺在22日開幕儀式指出，此次國產材示範點特別走進教育場域，首次在臺科大展出。展覽所在的天井空間，是設計學院林銘煌院長擔任設計系主任時提案修整，經過兩年半努力，終於完工，並在工藝中心支持下，完成展台、儲藏空間和開放式隔間的設計和施工，往後將會有更多展覽和工作坊活動在此展示空間進行。臺科大設計學院林銘煌院長表示，由於資深傳統工藝家逐漸凋零，而新一代設計師尚未深入瞭解工藝技術及國產材特性的情況下，支持並推廣工藝產業實為必要。因此，藉由本次展覽，可以讓平時較常以電腦設計為主的設計系同學熟悉傳統工藝。[...點擊看更多](#)

Taiwan Tech and the National Taiwan Craft Research and Development Institute collaborated to promote the domestically produced material design and craft industry. They jointly set up a demonstration space for domestic materials on the 3rd floor of the second teaching building of Taiwan Tech. The first exhibition, "Forest Island" - a virtual and real-life exhibition of domestically produced material, ran from February 21st to March 4th. Starting from traditional craftsmanship and incorporating VR technology, the exhibition integrated space, graphic, and product design to illustrate the diverse applications of Taiwan's domestically produced material. "During the opening ceremony on the 22nd, President Jia-Yush Yen of Taiwan Tech pointed out that this demonstration space for domestically produced materials has specially entered the educational field and was being exhibited at Taiwan Tech for the first time. [...more](#)