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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【八月・第42期】

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臺科大攜手臺巴科大培育工程人才 87 名巴拉圭學生來臺展開交換學習

2026-09-30

Taiwan Tech and Taiwan-Paraguay Polytechnic University partner to train engineers through student exchange.



國立臺灣科技大學協助友邦巴拉圭籌設的「臺灣 - 巴拉圭科技大學」(Universidad Politécnica Taiwan-Paraguay)持續推動兩國高等教育交流，今年 9 月初再迎來 87 名的臺巴科大三年級學生來臺進行交換學習，他們將分別在臺科大營建工程、機械工程、工業管理及資訊工程等系所修習專業課程，展開為期一年的在臺學習與交流。

此次來臺學生包括土木工程 18 人、機電工程 26 人、工業工程 19 人及資訊工程 24 人。巴拉圭駐臺特命全權大使傅達耀(Ambassador Darío Filártiga Ruiz Díaz)也親自到機場迎接學生，關心學生來臺後的學習與生活計畫，見證臺巴兩國長期教育合作持續深化。為協助學生熟悉在臺學習環境，臺巴計畫辦公室特別舉辦新生說明會，由臺科大工程學院院長暨臺巴計畫辦公室主任陳明志致詞，首先歡迎所有臺巴科大學生來臺，並向學生介紹臺灣的人文環境與地理特色，也鼓勵同學依據自身學習目標規劃課程，在適應校園生活的同時，善用臺科大各項教學與學習資源，充實這段在臺交換經驗。 ...點擊看更多

Taiwan Tech has continued to support higher education exchange between Taiwan and its diplomatic ally Paraguay through the Taiwan-Paraguay Polytechnic University (UPTP), which it helped establish. In early September this year, 87 third-year UPTP students arrived in Taiwan for an exchange programme. They will spend one year studying and participating in academic exchanges at Taiwan Tech, taking specialized courses in civil and construction engineering, mechanical engineering, industrial management and computer science and information engineering.The incoming students comprise 18 civil engineering students, 26 electromechanical engineering students, 19 industrial engineering students and 24 computer engineering students. Paraguay's Ambassador to Taiwan, Darío Filártiga Ruiz Díaz, welcomed the students at the airport, showing concern for their study plans and daily lives in Taiwan and witnessing the continued strengthening of long-standing educational cooperation between the two countries. ...more

推動電化學與 AI 運動科學研究 臺科大葉旻鑫、林儀佳雙獲吳大猷獎

2026-09-29

Professors Min-Hsin Yeh and Yi-Jia Lin from Taiwan Tech win Ta-You Wu Memorial Awards for Electrochemistry and AI Sports Science.



國科會「吳大猷先生紀念獎」旨在鼓勵具有優異研究成果與發展潛力的青年研究人員，今(2026)年國立臺灣科技大學化學工程系副教授葉旻鑫、人工智慧跨域科技研究所助理教授林儀佳獲得殊榮。葉旻鑫聚焦永續能源與電化學技術，從能源轉換、儲存到節能應用探索新材料與技術；林儀佳則結合穿戴式感測及運動科學開發出 AI 模型系統，為運動員打造個人化的訓練菜單與防護措施。葉旻鑫的研究涵蓋永續能源收集與儲存、電催化觸媒的開發與應用，以及自驅動電化學系統等。他認為，臺灣正逐步朝低碳、高回收率及永續的方向發展，電化學技術具有重要的發展潛力，但要真正走入產業，成本仍是重要課題。因此，他的研究除了探討材料本身，也會深入分析反應機制，尋找能取代貴金屬的材料與穩定的製程，降低技術應用門檻。「如果學校都不做，還有誰會去做？」已在臺科大任教 8 年的葉旻鑫表示，學術研究有時需要走在產業需求之前，尤其前瞻科技在研究初期可能天馬行空，但仍具有科學探索的價值。面對難以預測的未來需求，他希望先把概念與雛型做出來，再持續調整與改善，當產業出現相應需求時，便能更快導入製程。...點擊看更多

The National Science and Technology Council's Ta-You Wu Memorial Award recognizes young researchers with outstanding research achievements and strong potential for future development. In 2026, two researchers from Taiwan Tech received this prestigious honour: Associate Professor Min-Hsin Yeh of the Department of Chemical Engineering and Assistant Professor Yi-Jia Lin of the Graduate Institute of AI Cross-disciplinary Technology. Professor Yeh focuses on sustainable energy and electrochemical technologies, exploring new materials and technologies for energy conversion, storage and energy-efficient applications. Professor Lin combines wearable sensing with sports science to develop AI-based systems that create personalised training programmes and injury-prevention strategies for athletes. ...more

臺科大行動工程師前進印尼、越南、日本　以工程專業回應社區需求

2026-09-24

Taiwan Tech' s Engineers in Action take engineering solutions to communities in Indonesia, Vietnam, and Japan..

從印尼村莊的農業設施、越南小學的飲水環境，到日本雪鄉的防災教育，2026 年暑假，臺灣科技大學「行動工程師」(Engineers in Action, EIA) 團隊前進印尼、越南及日本，與當地大學師生攜手深入社區及學校，學生將課堂所學帶入服務現場，以工程專業回應不同地區的實際需求。在跨國合作與實作中尋找解決方法，實踐大學社會責任。首站，臺科大行動工程師與印尼泗水理工大學 (ITS) 合作，前往距離泗水約三小時車程的 Pacet 村，協助裝設戶外運動器材及道路交通安全標誌，改善居民的公共活動空間與交通環境。團隊也將當地小學的閒置空間整理為閱覽



室，讓學童擁有更完善的閱讀與學習場所。回應當地農業及環境教育需求，團隊協助建置太陽能魚菜共生溫室系統，將再生能源與循環農業概念帶入社區，並辦理回收食用油製作蠟燭的工作坊，帶領居民認識廢棄物再利用。針對小學生，團隊則透過垃圾分類遊戲及廢棄瓶蓋吊飾製作，讓孩子從動手操作中理解資源分類與回收的意義。...點擊看更多

From agricultural facilities in Indonesian villages and drinking water facilities at Vietnamese primary schools to disaster prevention education in a snowy Japanese village, the Taiwan Tech's Engineers in Action (EIA) team travelled to Indonesia, Vietnam and Japan during the summer of 2026. Working with faculty members and students from local universities, the team engaged with communities and schools, applying classroom knowledge to real-world service projects. Through international collaboration and hands-on practice, students explored solutions to local needs and put university social responsibility into action.For the first stop of the programme, Taiwan Tech's Engineers in Action team partnered with Institut Teknologi Sepuluh Nopember (ITS) in Indonesia and travelled to Pacet village, approximately a three-hour drive from Surabaya. ...more

電臺科大匯聚臺日美印 USR 實踐經驗　從在地創生走向國際共創

2026-09-21

Taiwan Tech connects Taiwan, Japan, US and Indonesia through global USR collaboration.



為深化大學社會責任（USR）的國際交流與永續實踐，115 年度教育部大學社會責任共同培力活動「永續新視野：創新、擴散與國際合作」於 9 月 18 日在國立臺灣科技大學舉行。活動匯聚臺灣、日本、美國及印尼學者與實務工作者，從地方創生、智慧治理、社區韌性及跨國課程合作等面向分享案例，並透過分組工作坊，共同探討臺灣大專院校如何將社會責任由「在地實踐」擴散為「跨國合作」，透過交流 USR 國際實踐的操作要領、跨國合作挑戰與課程整合模式，促進在地經驗與全球永續議題的連結。臺科大校長顏家鈺表示，USR 是臺科大的核心發展重點之一。許多學生透過高等教育與專業訓練翻轉人生，因此學校也期待學生在獲得成長與改變的機會後，能運用所學回饋社會。面對過去部分計畫較難形成長期影響的挑戰，臺科大近年積極調整推動策略，將國際夥伴及既有在地社區列為重要合作方向，透過穩定而長期的夥伴關係，讓社會實踐不只停留在單次活動，更能持續回應地方需求、累積互信與影響力。...點擊看更多

To strengthen international exchange and sustainable practices in University Social Responsibility (USR), the Ministry of Education's 2026 USR Collaborative Empowerment Programme, "New Horizons for Sustainability: Innovation, Scaling and International Collaboration", was held at Taiwan Tech on 18 September. The event brought together academics and practitioners from Taiwan, Japan, the United States and Indonesia to share case studies on local revitalisation, smart governance, community resilience and cross-border curricular collaboration. Through group workshops, participants explored how Taiwanese universities can expand social responsibility from local practice to international collaboration. They also exchanged practical insights into international USR initiatives, challenges in cross-border partnerships and approaches to curriculum integration, strengthening connections between local experience and global sustainability issues.... ...more

臺科大《敘·源｜Inabayan》展演　原民青年以餐桌述說南王文化

2026-09-21

Taiwan Tech's "Inabayan: Stories and Roots" performance celebrates Nanwang Culture through food and storytelling.



國立臺灣科技大學原住民族學生資源中心與原青社即日起至 9 月 24 日舉辦《敘·源｜Inabayan》卑南族成果發表系列展演。本次展演由不同科系與族別的臺科大原民青年學生，歷經半年多的文化學習與田野探訪，走進臺東南王普悠瑪部落向部落族人交流學習。展覽結合餐桌意象、文化物件、靜態影像、專題講座與樂舞演出，呈現卑南族深厚的文化底蘊與當代青年回望傳統的獨特視角。本次展演以「餐桌」作為核心意象，邀請不同世代的南王部落族人與臺科大學生共享食物與生命故事，呈現文化在「部落與都市」、「離開與返回」之間尋找動態平衡的實踐過程。

「Inabayan」為南王卑南語中「你好」之意，是一句日常而親切的問候，也是人與人建立連結的起點。「敘」代表著久別後圍坐餐桌的述說與敘舊；「源」則是青年們不斷回望的文化根源與自我認同的開始。...點擊看更多

The Indigenous Students Resource Centre and the Indigenous Youth Society at Taiwan Tech are presenting Inabayan: Stories and Roots, a series of exhibitions and performances celebrating the Puyuma people, running through 24 September. Over more than six months of cultural learning and field visits, Indigenous students from different academic disciplines and ethnic groups at Taiwan Tech travelled to the Nanwang Puyuma community in Taitung to learn from and exchange experiences with community members. Combining a dining-table concept, cultural artefacts, visual displays, thematic lectures and traditional music and dance performances, the programme highlights the rich cultural heritage of the Puyuma people and offers a distinctive perspective on how young people reconnect with their traditions.. .....more

臺科大建置全臺首座都市型校園微電網 平時節能災時供電提升能源韌性

2026-09-18

Taiwan Tech establishes Taiwan’ s first urban campus microgrid to boost energy resilience.



為提升校園能源自主及強化城市防災韌性，台灣電力公司推動「大學節能及電力韌性推動建置案」，國立臺灣科技大學獲選為北區第一所學校，於今(115)年初在華夏校區完成微電網系統建置，成為全臺首座都市型校園微電網。系統整合太陽光電、儲能、備援發電及智慧能源管理等設備，平時可促進能源使用效率，災害發生時則可提供自主供電及防災備援，同時結合社區服務、教學研究及能源教育，打造兼具永續發展、智慧能源與公共安全的校園場域。華夏校區微電網系統平時與台電電網併聯運轉，透過智慧能源管理系統(EMS)進行最佳化能源調度，搭配時間電價執行尖離峰移轉、儲能充放電控制及再生能源管理，有效提升能源使用效率。預估每年可節省約 54 萬元電費，若進一步最佳化儲能備載比率及出售綠電憑證，整體效益可達約 126 萬元，降低校園長期能源成本。...點擊看更多

To enhance campus energy self-sufficiency and strengthen urban disaster resilience, Taiwan Power Company (Taipower) has launched the University Energy Conservation and Power Resilience Development Programme. Taiwan Tech was selected as the first university in northern Taiwan to participate in the initiative. In early 2026, Taiwan Tech completed the installation of a microgrid system at its Hwa Hsia Campus, creating Taiwan’s first urban campus microgrid. Integrating solar photovoltaic power generation, energy storage, backup generation and smart energy management, the system improves energy efficiency under normal conditions while providing independent power supply and emergency backup during disasters. It also incorporates community services, teaching, research and energy education, establishing a campus environment that combines sustainability, smart energy and public safety...more

臺科大 5 組團隊榮獲 2026 未來科技獎 成果跨足綠能、資安、健康與材料設計

2026-09-14

Taiwan Tech teams win five 2026 FutureTech Awards in Green Energy, Cybersecurity, Healthcare and Materials Design.



「2026 未來科技獎」由國科會、中央研究院、教育部及衛生福利部等單位共同主辦，今年國立臺灣科技大學共有 5 組團隊獲獎，研究成果包含綠氨、綠氫、資安、智慧穿戴及材料設計等領域。獲獎團隊將於 9 月 17 日至 19 日在台北世貿一館「台灣創新技術博覽會(TIE)未來科技館」展出研究成果。材料系教授郭東昊率領 Quoc-Nam Ha、黃彥維、黃昱翔、潘容存、張子晴與雷方志組成的研究團隊，擺脫傳統製程對高溫、高壓及化石能源的依賴，開發「空氣捕捉製作綠氨及其衍生高值化學品」技術，透過電漿活化空氣並捕捉所得前驅液，再以電化學還原反應在常溫常壓下直接產製綠氨，建立將空氣直接轉化為氨產品的製程，可應用於肥料、氨燃料、儲氫載體及各類含氮化學品產業，未來可結合再生能源與模組化設備，降低製程能源需求與供應鏈成本，作為低碳氨及其衍生產品的技術選項。...點擊看更多

The 2026 FutureTech Awards are jointly organised by Taiwan’s National Science and Technology Council, Academia Sinica, the Ministry of Education, and the Ministry of Health and Welfare, among other agencies. This year, five teams from Taiwan Tech received the awards for research in green ammonia, green hydrogen, cybersecurity, smart wearables and materials design. The winning teams will showcase their research at the Future Tech Pavilion of the Taiwan Innotech Expo (TIE), held at Taipei World Trade Center Hall 1 from 17 to 19 September.Professor Dong-Hau Kuo of the Department of Materials Science and Engineering leads a research team comprising Quoc-Nam Ha, Yen-Wei Huang, Yu-Hsiang Huang, Jung-Tsun Pan, Tzu-Ching Chang and Fang-Chih Lei. ...more

全臺首創防災士培訓向下扎根 臺科大攜手北市消防局培育防災新力量

2026-09-07

Taiwan Tech and Taipei Fire Department collaborate to cultivate disaster prevention training.



國立臺灣科技大學與臺北市政府消防局攜手合作，首度將防災士培訓向下延伸至國小中年級，並橫跨國中至高中，於 7 月 16 日至 17 日舉辦「暑期防災士培訓營」，共有近百位師生完成密集課程，並全數通過測驗，創下全臺首例。完訓學員待內政部審查通過後，將獲頒防災士證書，正式成為校園與社區的防災新力量。本培訓營是臺科大「大學社會責任實踐 (USR) 計畫」(計畫名稱：都市山城無限永續共培π型人才-蹲城南、跨國際、深植社會責任基因)，推動韌性城南的重要實踐。都市山城 USR 計畫近年深耕臺北市城南區域，以建構無限永續的大學與都市山城環境為核心理念，擴大教育影響力，建構更具韌性的校園與社會。計畫結合大學專業知能、政府防救災資源及各級學校教育現場，透過系統化課程與實務演練，將防災知識轉化為師生可理解、可操作並能落實於日常生活的行動能力。...點擊看更多

Taiwan Tech and the Taipei City Fire Department have joined forces to extend disaster prevention training for the first time to students in the middle grades of elementary school, while also covering students from junior high school through senior high school. The two institutions jointly held the “Summer Disaster Prevention Training Camp” from July 16 to 17. Nearly 100 teachers and students completed the intensive programme and all passed the examinations, marking the first programme of its kind in Taiwan. Following review and approval by the Ministry of the

Interior, participants who completed the training will be awarded disaster prevention certificates, officially becoming a new force for disaster preparedness on campuses and in communities. ……more

從不同地方走進臺科大　新生啟程開啟大學新篇章

2026-09-04

From different places to Taiwan Tech: new students begin their university journey.



國立臺灣科技大學今（4）日舉行新生入學指導活動，迎接來自各方的新生加入臺科大。校長顏家鈺勉勵新生，大學四年不只是取得一張文憑，更重要的是善用學校資源，在學習、交流與各種體驗中建立自信、培養能力，「四年後走出臺科大時，希望你們會發現自己比以前更強、更厲害。」顏家鈺表示，臺科大校園面積雖然不大，但擁有豐沛的學術與教學能量，近年各項大學排名持續名列全國前茅，但比起排名，他更注重學校能帶給學生什麼樣的教育。面對 AI 快速發展，科技讓知識取得更加便利，但大學教育所帶來的不只有知識，更包含人與人之間的交流及親身參與所積累的經驗。「學校給你的不只是一個教育，還有人生的訓練跟體驗。」他鼓勵新生把握校園中的各種學習與交流機會，包括身邊的老師、同學，還有參與國際交流及校內活動，在大學四年「盡量參加、盡量玩、盡量念書」，從不同體驗中拓展視野、建立信心，豐富屬於自己的大學經驗。…點擊看更多

Taiwan Tech held its 2026 Freshman Orientation today (September 4), welcoming new students from diverse backgrounds to join the Taiwan Tech community. President Jia-Yush Yen encouraged the new students to recognise that their four years at university are about more than earning a degree. More importantly, they should make good use of the university's resources and build confidence and capabilities through learning, interaction, and a wide range of experiences. "When you graduate from　Taiwan Tech four years from now, I hope you will discover that you have become stronger and more capable than before". President Jia-Yush Yen noted that although the Taiwan Tech campus is relatively small, it has abundant academic and teaching resources. In recent years, the university has consistently ranked among the top universities in Taiwan in various university rankings. However, rather than focusing on rankings, he places greater emphasis on the kind of education the university can provide to its students. …more.

臺科大攜手瑞士 SUPSI 合辦第四屆「臺歐智慧製造研習營」 深化產學鏈結

2026-09-03

Taiwan Tech and Switzerland' s SUPSI host the 4th Taiwan-Europe smart manufacturing workshop.



國立臺灣科技大學物聯網創新中心（NTUST IIoT）與瑞士南方應用科技大學（SUPSI）共同主辦「2026 臺歐暑期智慧製造研習營（2026 SUPSI_MSE ASIA Program）」於 115 年 7 月圓滿落幕。本研習計畫今年已邁入第四屆，自第二屆起， 均堅持推動雙邊的學生交換與互訪。本年度延續雙向接力模式，由臺科大 5 位學生率先赴瑞士進行移地研習，隨後由 SUPSI 的 Luca Canetta 教授率領 34 位歐洲學生回訪臺灣，與臺科大 8 位學生展開為期一週的深度對話。活動共吸引臺灣、瑞士、德國、義大利、西班牙、巴拉圭及印尼等 7 國 43 名師生參與，透過實地走訪 15 間指標企業與科研機構，建立跨國產學合作與民間外交實質成果。在 7 月 6 日至 10 日的瑞士移地研習期間，團隊依產業類型深入探訪 8 間指標企業。在高精度機械與工業自動化領域，學員走訪 Mikron 觀摩微米級工具製造、至 Agie Charmilles 直擊電火花放電加工（EDM）技術，並參訪 Tornos SA 與 Rollomatic 的走心式車床與 CNC 刀具研磨工藝，使學員對瑞士極致精密的製造標準與工業控制建立深刻認知。…點擊看更多

The Taiwan Tech's Center for Internet of Things Innovation (Taiwan Tech IIoT) and the University of Applied Sciences and Arts of Southern Switzerland (SUPSI) jointly organised the "2026 Taiwan-Europe Smart Manufacturing Summer Program (2026 SUPSI_MSE ASIA Program)", which successfully concluded in July 2026. Now in its fourth year, the program has remained committed since its second edition to promoting bilateral student exchanges and reciprocal visits. This year, the program continued its two-way exchange model. Five Taiwan Tech students first travelled to Switzerland for an off-campus study program, followed by a return visit to Taiwan by 34 European students led by Professor Luca Canetta of SUPSI. They engaged in a week-long program of in-depth exchanges with eight Taiwan Tech students. …more.