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臺科大 TAIWAN TECH



NEWS 校內新聞快報

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臺科大 Taiwan Tech

校內新聞快報【十二月・第34期】
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臺科大攜手UC Irvine打造「3+1+1」雙聯學制 培育人文與管理跨域國際人才

Taiwan Tech and UC Irvine launch 3+1+1 Dual-Degree Program for cross-disciplinary global talent

2025-12-30



國立臺灣科技大學與美國加州大學爾灣分校(University of California, Irvine)於日前展開為期三天的合作交流，內容涵蓋雙聯學制洽談、EMI示範教學、跨領域人文專題演講，以及雙語教育政策交流等，主動借鏡世界優秀大學在教學與課程上的執行經驗與發展模式，展現臺科大持續深化國際合作、主動精進教學品質的執行力。UC Irvine 為美國知名公立研究型大學排名前十，其人文學院在人文科學、管理學、藝術文化等領域享有盛譽。此次來訪由人文學院院長 Tyrus Miller 教授率團，成員包括人文學院副院長 Yong Chen 教授及全球文化學程副主任 Jung-Hsien Lin 博士，顯示 UCI 對此次合作的高度重視。臺科大則由人文社會學院院長洪紹挺與管理學院院長曹譽鐘共同接待，雙方就「3+1+1」雙聯學制的具體方案進行深入討論。「3+1+1」雙聯學制規劃學生於臺科大完成三年人文社會學院或管理學院學士課程後，只要赴 UC Irvine 修讀一年人文學院進階學術課程及一年管理學院商管課程，完成後可同時取得臺科大學士學位及 UC Irvine 管理碩士學位，兼顧人文素養、專業能力與國際競爭力。 ...點擊看更多

Taiwan Tech recently conducted a three-day collaborative exchange with the University of California, Irvine (UCI). The program included discussions on a dual-degree program, EMI demonstration classes, interdisciplinary humanities lectures, and exchanges on bilingual education policies. By actively learning from the teaching practices and curriculum models of leading global universities, Taiwan Tech demonstrated its commitment to deepening international collaboration and continuously enhancing teaching quality.UC Irvine is a renowned public research university in the United States, consistently ranked among the nation’s top ten. Its School of Humanities is highly regarded in the humanities, management, and arts and cultural studies. The delegation was led by Professor Tyrus Miller, Dean of the School of Humanities, Professor Yong Chen, Associate Dean of the School of Humanities, and Dr. Jung-Hsien Lin, Associate Director of the Global Cultures Program, ...more

臺科大再奪德國紅點設計大獎 連五年獲紅點設計排行榜亞太第一

Taiwan Tech tops Asia-Pacific Red Dot Rankings for five consecutive years

2025-12-29



有「設計界奧斯卡獎」之稱的德國紅點設計獎（Red Dot Award）為全球最具影響力的設計獎項之一，每年吸引數千件作品角逐。今（2025）年臺科大學生再度表現亮眼，共有三件作品獲獎，包括一項最佳設計獎（Best of the Best）與兩項紅點獎（Red Dot Winner），再度展現臺科大學生卓越的創意實力，連續五年穩居紅點設計排行榜亞太第一。今年獲獎作品包含：泥染技藝串連土地文化的《染：記憶與技藝》（Memory and Craftsmanship）、互動設計重新詮釋華人告別文化的《流逝》（Lume），與以「家」為核心重塑清境農場品牌識別的《清境農場》（Cing Jing Farm）。《染：記憶與技藝》由蕭仲雯與賴苡蕙共同創作，以天然泥染為核心，從土地記憶、匠師精神與技藝傳承三大面向切入，呈現這項逐漸淡出的傳統染色技術之美。作品以「灰、紺、丹、柿、棕」五色架構章節，探討技法、紋樣與文創可能性，並以手工泥染布料製作書封，保留布料褶皺與自然紋理，打造一本易於理解泥染文化的入門書籍。⋯點擊看更多

Often known as the “Oscars of the design world”, the Red Dot Award is one of the most influential design competitions globally, attracting thousands of entries each year. In 2025, students from Taiwan Tech once again delivered an outstanding performance, winning a total of three awards - one Best of the Best and two Red Dot Winner honors. These achievements highlight the exceptional creative strength of NTUST students and mark the university’s fifth consecutive year at the top of the Asia-Pacific Red Dot Design Rankings.This year’s award-winning projects include Memory and Craftsmanship, which connects mud-dyeing techniques with local land and cultural heritage; Lume, an interactive design that reinterprets farewell rituals in Chinese culture; and Qing Jing Farm, a brand identity redesign centered on the concept of “home” for Qingjing Farm.. ...more

共創實踐力！臺科大「城南講堂」與社會實踐博覽會轉知識為影響力

Taiwan Tech’s ‘Southeast Forum’ and Social Practice Expo turn knowledge into influence

2025-12-26



國立臺灣科技大學通識教育中心於今(2025)年12月5日舉辦「城南講堂」，以「通識再定位：知識、行動、社會影響力」為主題，邀請四位長期投入大學社會責任之學者與地方永續實踐工作者，共同打造跨領域交流平台，聚焦如何將通識教育轉化為學生的行動力與社會影響力。同場亦舉辦第二屆「2025社會實踐博覽會」，由教育部USR大學社會責任實踐計畫─共好 Spark+ 與國立臺灣師範大學社會實踐中心攜手協辦，展示師生運用專業回應公共議題之成果，呈現知識轉化為行動的過程，涵蓋在地關懷、異鄉情懷及永續再造等多元主題。本屆城南講堂邀請林寶安教授（國立澎湖科技大學通識中心）、黃正德理事長（台東縣永續發展學會）分享在地永續與教育實踐經驗，探討如何透過漁村研究與國本農場從修復到活化的歷程，培養學生及在地族群的社會實踐能力。...點擊看更多

The Center for General Education at Taiwan Tech held the “Southeast Forum” on December 5, 2025, under the theme “Repositioning General Education: Knowledge, Action, and Social Impact.” The forum brought together four scholars long engaged in university social responsibility initiatives and practitioners dedicated to local sustainability, jointly creating an interdisciplinary platform for exchange that focused on how general education can be transformed into students’ capacity for action and social impact. The event also featured the second “2025 Social Practice Expo”, co-organized by the Ministry of Education’s USR (University Social Responsibility) Program - Common Good Spark+ - and the Social Practice Center of National Taiwan Normal University. .....more

臺科大主辦 2025 D&AD 台灣展 觀眾化身評審激發新世代設計思辨力

Taiwan Tech hosts 2025 D&AD Taiwan Exhibition, empowering the next generation of design thinking

2025-12-24



由英國知名設計組織 D&AD 發起、國立臺灣科技大學設計系主辦的「2025 D&AD 台灣展」日前在臺科大大用工房展出，今年以「Judging & be a judge」為主題，透過觀眾與作品之間的互動機制，打破傳統由專家單向評判的框架，讓所有觀眾都能親身參與的評選的過程。只要走進展場並完成作品評分，皆可獲得一張象徵評審身分的證書，象徵每位觀展者都能以自己的視角重新定義作品的價值。今年以「Judging & be a judge」為主題，透過觀眾與作品之間的互動機制，打破傳統由專家單向評判的框架，讓所有觀眾都能親身參與的評選的過程。D&AD是全球創意界的重要風向指標，自 1962 年成立以來，以極具聲望的鉛筆獎(Pencil Awards)聞名，包括木鉛筆(Wood Pencil)、石墨鉛筆(Graphite Pencil)、黃鉛筆(Yellow Pencil)與黑鉛筆(Black Pencil)等獎項，被視為國際創意與設計界的最高榮譽。...點擊看更多

Initiated by the renowned UK design organization D&AD and hosted by the Department of Design at Taiwan Tech, the “2025 D&AD Taiwan Exhibition” was recently held at Taiwan Tech’s Dayong Workshop. This year’s theme, “Judging & Be a Judge,” encourages interaction between visitors and the exhibited works, breaking away from the traditional model of one-way evaluation by experts and allowing all visitors to actively participate in the judging process. By entering the exhibition and completing the evaluation of the works, visitors receive a certificate symbolizing their role as a judge, underscoring the idea that every attendee can redefine the value of design from their own perspective.... ...more

臺科大智慧電動車動力系統人才培育基地揭牌 八大專業實驗室培育高階研發人才

Taiwan Tech launches Intelligent Electric Vehicle Powertrain Talent Development Base with eight labs

2025-12-22

為推動智慧電動車技術研發與高階人才培育，國立臺灣科技大學獲教育部補助成立「智慧電動車動力系統技術人才培育基地」，今(22)日於華夏校區舉行揭牌典禮。經濟部部長龔明鑫、技職司司長楊玉惠及多位產官學代表皆到場共同見證，展現臺灣在智慧電動車領域邁向嶄新階段。臺科大將透過完整的學程規劃與產學合作機制，強化跨領域研發與技術整合，聚焦電動車動力系統和智慧車輛領域，拓展多元應用面向，致力提升產業競爭力並改善人才缺口。基地以「跨領域合作、實務導向及產學接軌」為核心理念，整合臺科大機械、電子、電機、材料、資工等系所師資與研究能量，建構涵蓋電池應用、動力系統測試、智慧電控整合、人工智慧感測、邊緣運算、人機互動、智慧能源管理等八大專業實驗室，進行關鍵技術研究、模組開發與系統測試。基地規劃約240坪空間，配備高規格軟硬體與實驗設備，提供學生從課程學習、實驗操作、車輛改裝到參與國際競賽(如FSAE學生方程式賽車)的完整歷程，培育具備電動車高階研發能力的人才。...點擊看更多



To advance research and development in intelligent electric vehicle technologies and cultivate high-level talent, Taiwan Tech has established the Intelligent Electric Vehicle Powertrain Technology Talent Development Base, funded by the Ministry of Education (MOE). The unveiling ceremony was held today (22) at Taiwan Tech's Hwa Hsia Campus. The event was attended by Minister of Economic Affairs Ming-hsin Kung, Yu-hui Yang, Director-General of the Department of Technological and Vocational Education, along with representatives from industry, government, and academia, collectively marking a new milestone in Taiwan's development of intelligent electric vehicle technologies. Through comprehensive curriculum planning and robust industry–academia collaboration mechanisms, Taiwan Tech aims to strengthen interdisciplinary research and development as well as technological integration. .....more

推動智慧製造數位轉型　臺科大機械系攜手西門子與睿志科技產學合作

Taiwan Tech teams up with Siemens and RichTek to advance smart manufacturing

2025-12-18



國立臺灣科技大學機械工程系、台灣西門子軟體工業股份有限公司，以及睿志科技股份有限公司正式啟動產學合作計畫。三方結合學術研究能量與產業實務經驗，共同推動智慧製造與數位轉型領域的人才培育與技術發展。此次三方合作將聚焦於研究推動與人才培育的兩大面向。在研究推動上，共同投入智慧製造、數位雙生、工業4.0等前瞻議題，深化AI技術開發與實務應用。在人才培育部分，規劃契合實務需求的課程模組，使學生掌握數位設計、模擬與製造等核心工具。臺科大王朝正副校長表示，臺科大向來以「務實致用」與「產學共創」聞名，我們深刻理解：人才是國家競爭力的核心，而國家級的產業升級，必然從大學現場開始。臺科大機械系長期深耕智慧製造、自動化與精密製造領域，持續導入前瞻技術以強化教學與研究實力。本次合作不僅引進西門子工業軟體等關鍵技術，睿志科技亦扮演關鍵橋梁，協助串接產業需求與學術資源，促成技術導入、系統規劃與教學應用的整合，使學術發展更貼近產業現場實務。...點擊看更多

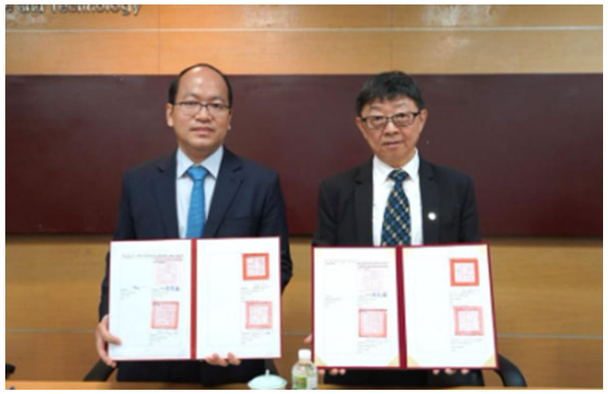
The Department of Mechanical Engineering at Taiwan Tech, Siemens Taiwan Ltd., and Wisdom Engineering Services Corp. have officially launched an industry–academia collaboration project. By combining academic research expertise with industry experience, the three parties will jointly promote talent development and technological advancement in the fields of smart manufacturing and digital transformation.The three-party collaboration will focus on two main areas: research advancement and talent development. On the research side, the partnership will jointly explore forward-looking topics, such as smart manufacturing, digital twins, and Industry 4.0, while advancing AI technology development and its practical applications. In terms of talent development, curriculum modules aligned with industry needs will be offered to equip students with core skills in digital design, simulation, and manufacturing.. ...more.

教育部攜手臺科大推動臺越人才基地 新型專班打造企業導向國際人才循環模式

MOE and Taiwan Tech launch Taiwan–Vietnam Talent Hub for global industry leaders

2025-12-16

為因應台灣少子化以及產業對中高階技術人才的需求，教育部於2024年起推動國際產業人才教育專班(以下簡稱新型專班)，由政府、產業與大專院校共同投入資源，擴大招收STEM、金融、半導體等領域的國際學生來台就讀並留台就業。國立臺灣科技大學受教育部委託擔任「臺灣-越南國際人才循環基地(以下簡稱臺越基地)」總召學校，負責跨校協調、招生推廣及在地合作，串接教育與產業資源，在越南北、中、南三區推動新型專班，使台越雙方在產官學研面向形成穩固的人才循環鏈，以實務合作支援企業人力需求並提升台灣產業競爭力。越南是台灣新南向政策中的重要夥伴，具備龐大的青年人口與良好的學習基礎，在資訊、製造等產業鏈上與台灣往來密切。臺科大校長顏家鈺表示，透過臺越基地的推動與政府支持，臺科大得以進一步聯結越南頂尖大學，使更多優秀學生與師長了解新型專班，協助台灣企業直接從校園端進行選才與育才，畢業後可直接留用，有助於企業降低招募成本並提升用人效率。 ...點擊看更多



To address Taiwan's declining birthrate and the industry's demand for mid- to high-level technical talent, the Ministry of Education (MOE) launched the International Industry Talent Education Program (referred to as the "New Program") starting in 2024. The initiative pools resources from the government, industry, and universities to recruit international students in STEM, finance, semiconductor, and other fields to study in Taiwan and remain for employment. Taiwan Tech has been commissioned by the MOE to serve as the lead institution for the Taiwan–Vietnam International Talent Circulation Hub (referred to as the "Taiwan–Vietnam Hub"). Taiwan Tech is responsible for cross-university coordination, recruitment promotion, and local partnerships, as well as connecting educational and industry resources, and implementing the New Program across northern, central, and southern Vietnam. …more

鏈結新世代儲能技術 臺科大主辦國際永續電化學能源論壇聚焦固態電池新突破

Taiwan Tech hosts International Sustainable Electrochemical Energy Forum on solid-state battery breakthroughs

2025-12-09



國立臺灣科技大學永續電化學能源中心(Sustainable Electrochemical Energy Development Center, SEED Center) 於 11 月 25 日至 26 日主辦國際永旭電化學能源論壇(iSEED)，以「固態電池面臨的挑戰探討(Discussion on Challenges of Solid State Batteries)」為主題，聚焦固態電池的材料創新、電解質工程、製程技術與產業化挑戰，邀請日本、加拿大、德國、韓國、中國及台灣的頂尖學者與產業領袖共襄盛舉，共同探討固態電池研究及下一世代能源儲存技術的關鍵突破。臺科大永續電化學能源中心主任黃炳照在開幕致詞中表示，固態電池被視為下一世代能源儲存的核心，然而，目前固態電解質在離子導電率、界面穩定性、安全性與製程成本等仍存在不小的挑戰，所以當前在新型材料探索、界面工程設計、綠色製程與跨領域合作等方向，都是未來突破的契機。…點擊看更多

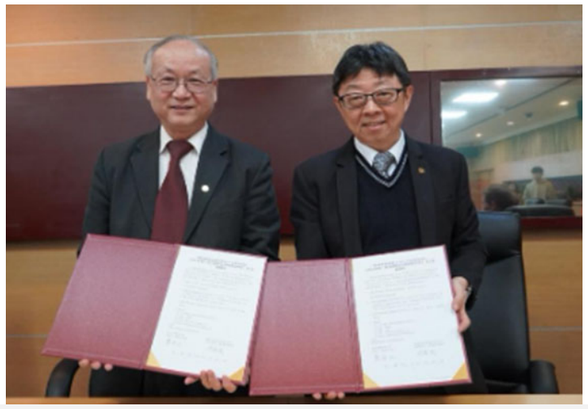
The Sustainable Electrochemical Energy Development (SEED) Center at Taiwan Tech hosted the International Sustainable Electrochemical Energy Discussion (iSEED) forum from November 25 to 26. Centered on the theme "Discussion on Challenges of Solid-State Batteries," the forum focused on materials innovation, electrolyte engineering, fabrication technologies, and industrialization challenges in solid-state batteries. Leading scholars and industry leaders from Japan, Canada, Germany, South Korea, China, and Taiwan were invited to participate, collectively exploring critical breakthroughs in solid-state battery research and next-generation energy storage technologies.. …more.

臺科大攜手連展投控簽署產學MOU 推動智慧製造、AI、高速傳輸技術

Taiwan Tech signs MOU with Acon-Holding Inc. to advance smart manufacturing and AI

2025-12-08

國立臺灣科技大學與連展投資控股股份有限公司正式簽署產學合作備忘錄，宣告將在智慧製造、人工智慧應用、高速傳輸技術及矽光子等領域展開深度合作，結合學研能量與產業需求，攜手促進台灣製造業的技術升級與創新發展。連展投控集團近年積極擴大在電子零組件、光通訊與無線系統等市場的整合布局，旗下事業涵蓋高頻連接器與線材、光纖與高速模組方案、CPO（共封裝光學）技術、RF與天線模組、低軌衛星通訊應用，以及無人機與機器人所需的感測與整合元件。本次簽署產學合作備忘錄後，將可在高速伺服器架構、訊號完整性、高可靠度模組、能源效率與散熱管理等技術面向展開深入合作，並針對未來產業高增長區塊，建立技術鏈結。臺科大校長顏家鈺指出，透過產學合作機制，使得研究成果與產業需求更緊密銜接，有助於提升台灣在高速傳輸、AI計算與智慧製造上的技術能見度與產業定位。…點擊看更多



Taiwan Tech and Acon-Holding Inc. have officially signed an industry–academia cooperation memorandum of understanding, announcing plans to engage in deep collaboration in the fields of smart manufacturing, artificial intelligence applications, high-speed transmission technologies, and silicon photonics. By combining academic research capabilities with industry needs, the partnership aims to jointly advance technological upgrades and innovative development in Taiwan's manufacturing sector.In recent years, Acon-Holding Inc. has actively expanded its integrated presence in the electronics components, optical communications, and wireless systems markets. Its business portfolio includes high-frequency connectors and cables, fiber optics and high-speed module solutions, co-packaged optics (CPO) technology, RF and antenna modules, low-earth orbit satellite communication applications, as well as sensors and integrated components for drones and robotics.. …more.

巴拉圭伊泰布省長與臺巴科大學生座談 借鏡台灣經驗籌設新科技大學

Paraguay's Itapúa Governor consults Taiwan Model in planning new tech university

2025-12-05



巴拉圭伊泰布(Itapúa)省省長Javier Pereira及夫人Nancy Berndt於11月21日蒞臨臺科大，與臺巴科大學生進行座談，聆聽學生分享在臺學習與生活經驗，作為伊泰布省推動設立科技大學時的重要參考。座談由臺巴計畫辦公室主任阮聖彰教授主持，巴拉圭駐臺大使傅達耀、一等秘書蘇約瑟及臺巴計畫辦公室學務主任劉孟昆教授亦同席參與，現場交流熱絡。阮聖彰於開場致詞中表示，臺巴科大在臺科大協力下推動的合作教育模式，一直以提升巴拉圭高等教育品質為核心目標，因此現階段在臺就學的巴拉圭學生，親身接觸臺灣技職教育、產學合作、校園生活與文化價值，他們所觀察到的制度運作與人才養成方式，皆對伊泰布省籌設科技大學的方向具有高度參考價值。現場共吸引37位就讀工業工程、土木工程、機電工程及資訊工程系的巴拉圭學生參與座談，學生們踴躍提問、積極交流。省長Javier Pereira 也逐一回應學生提出的問題，內容涵蓋教育政策、地方產業發展、基礎建設與人才培育等多個面向。…點擊看更多

On November 21, Javier Pereira, Governor of the Itapúa Department, Paraguay, and his wife, Nancy Berndt, visited Taiwan Tech to hold a discussion with students from the Taiwan–Paraguay Polytechnic University. During the session, students shared their experiences of studying and living in Taiwan, providing valuable reference for the Itapúa Department as it plans to establish a new technology university. The forum was chaired by Professor Shanq-Chang Juan, Director of the Taiwan–Paraguay Project Office. Also in attendance were Da-Yao Fu, Ambassador of Paraguay to Taiwan; Joseph Su, First Secretary; and Professor Meng-Kun Liu, Director of Student Affairs at the Taiwan–Paraguay Project Office. The discussion featured lively and in-depth exchanges.. …more.

臺科大USR國際能見度大躍進 行動工程師計畫受邀登上大阪世博

Taiwan Tech USR Program, Engineers in Action, gains global spotlight at Osaka World Expo

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國立臺灣科技大學「行動工程師培育計畫」(Engineers in Action, EIA)在9月25日至27日受邀前往日本，與大阪工業大學共同於大阪世博會「Future Life Village」展區設立短期展位，展出臺科大在宜蘭、印尼、日本及越南等場域的USR國際行動成果，這是台灣唯一前往大阪世博展示的USR計畫，三天展期吸引超過六百名民眾參觀，展現臺科大在國際永續實踐上的高度能見度。「行動工程師培育計畫」自教育部大學社會責任(USR)　計畫支持推動以來，一直致力於結合跨領域專業與在地需求，引導學生走入真實社會場域，透過結合工程、設計、人文及管理等多元專業與創新思維回應地方問題，在環境改善、基礎建設、永續教育與跨文化交流等面向累積許多具體成果，讓學生能在跨文化場域中培養國際視野、實作能力與永續思維，展現新世代行動者從臺灣社區走向國際的能量。…點擊看更多



Taiwan Tech’s Engineers in Action (EIA) Program was invited to Japan from September 25 to 27 to jointly set up a short-term exhibition booth with Osaka Institute of Technology at the “Future Life Village” zone of the Osaka World Expo. The exhibit showcased Taiwan Tech’s international University Social Responsibility (USR) action outcomes in Yilan, Indonesia, Japan, and Vietnam. As the only USR program from Taiwan selected to present at the Osaka World Expo, the three-day exhibit drew over 600 visitounderscoringting Taiwan Tech’s strong internatiopresencelity in sustainapracticestice.Since receiving support from the Ministry of Education’s University Social Responsibility (USR) Program, the Engineers in Action Program has been committed to integrating interdisciplinary expertise with local needs, guiding students into real-world social settings. …more.

讓電池「靜靜離開人世」 臺科大王復民教授的安全綠能儲存創新

A safer way for batteries to end: Taiwan Tech Professor leads green energy innovation

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在能源轉型與淨零碳排成為全球焦點的時代，國立臺灣科技大學應用科技研究所王復民特聘教授帶領的團隊與國內一線電動機車大廠合作，以創新的電池安全技術與高分子材料設計，重新定義綠能儲存的安全標準。團隊的研究成果已應用於國內共享電池業者的監控系統，運用大數據與電化學量測技術，與台灣一線電動機車大廠合作建立國內首套「電池健康監測與預警平台」，能在異常升溫或電阻突增前即發出警訊，讓電池「用得久、用得安心」。王復民形容：「我們希望電池在出現問題時，不是爆炸，而是靜靜地離開人世。」這套系統透過大量數據分析，追蹤電池在充放電、電壓與阻抗變化等參數下的健康狀況，並結合統計模型預測異常。王復民指出，研究核心在於「如何讓能量安全釋放、而非爆炸反應」，技術關鍵結合聚合物電解質設計與熱管理控制。…點擊看更多

At a time when energy transition and net-zero carbon emissions have become global priorities, a research team led by Distinguished Professor Fu-Min Wang of the Graduate Institute of Applied Science and Technology at Taiwan Tech is collaborating with leading domestic electric scooter manufacturers to redefine safety standards in green energy storage through innovative battery safety technologies and advanced polymer material design.Through large-scale data analysis, the system tracks battery health under various parameters, including charging and discharging behavior, voltage, and impedance variations. At the same time, statistical models are used to predict abnormal potential normalities. Professor Wang notes that the core of the research lies in “how to release energy safely rather than through explosive reactions.” The key technologies combine polymer electrolyte design with thermal management control.. …more.