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國立臺灣科技大學 Taiwan Tech

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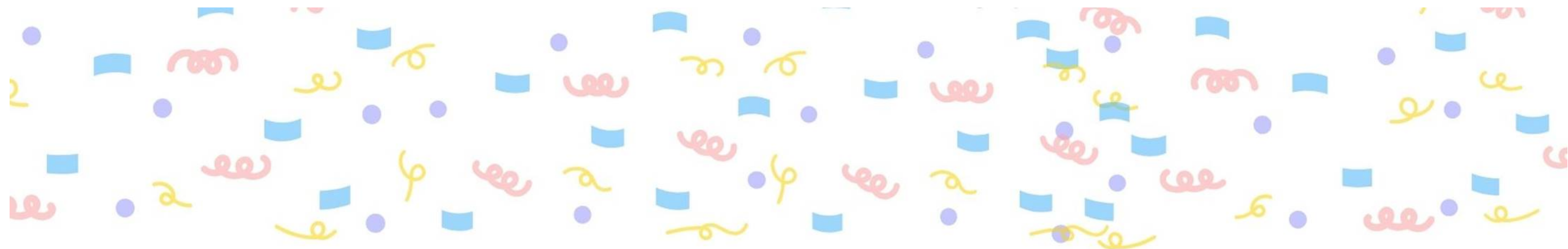
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臺科大
TAIWAN TECH



NEWS 校內新聞快報



HOT NEWS

臺科大 Taiwan Tech

校內新聞快報【一月・第11期】

School News Bulletin, January, Issue 11

邀請各位師長、學生一同來閱讀，深知校內大小事

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臺科大方程式賽車隊遠征澳洲 首次參賽就獲頒最佳貢獻獎

📅 2024-01-29

Taiwan Tech Formula Racing Team Embarks on Australia Expedition - Awarded Best Contribution in their first race



臺科大方程式賽車隊日前赴澳洲墨爾本參加為期 4 天的 FSAE (Formula Society of Automotive Engineers) 方程式聯賽，除完成所有靜態檢驗，取得耐久賽資格外，還獲頒 Harry Watson 最佳貢獻獎，這也是本場比賽中唯一獲獎的亞洲車隊。臺科大作為首次參加澳洲賽即通過所有電檢的學生方程式車隊，再次證明學生在工程及電機的堅強實力與永不放棄的精神。FSAE 是南半球最大的方程式聯賽，賽前學生需打造一台合規的方程式賽車，通過主辦方所有靜態檢驗，包含電力、機械、傾斜、淋雨、煞車等測試，才能進入動態檢驗，如：直線加速、八字繞錐等，最後才是耐久賽項目。這次的 FSAE 聯賽共吸引六個國家、超過 36 支車隊報名。臺科大方程式賽車隊副隊長賴宗佑指出，團隊在賽前必須要實際參與車輛的設計與製造，過程中非常考驗學生們對於車輛及各自領域的熟悉度。 [...點擊看更多](#)

Taiwan Tech Formula Racing Team recently traveled to Melbourne, Australia to participate in the 4-day FSAE (Formula Society of Automotive Engineers) Formula Racing League. In addition to completing all static inspections and qualifying for the endurance race, the team was awarded the Harry Watson Best Contribution Award. This achievement makes them the only Asian team to receive an award in this competition. As the first Formula Student team to participate in the Australian race and pass all electrical inspections, Taiwan Tech demonstrated the students' strong engineering and electrical capabilities, along with an unwavering spirit. FSAE (Formula Society of Automotive Engineers) is the largest Formula racing league in the Southern Hemisphere. Before the competition, students must build a compliant Formula race car and pass all static inspections organized by the event, including tests on electrical systems, mechanics, tilting, rain, brakes, and more. [...more](#)

臺科大攜手學術交流基金會辦理英語冬令營 沉浸學習寫作暨口說表達

📅 2024-01-26

Taiwan Tech collaborates with the Academic Exchange Fund to organize an English Winter Camp, immersing participants in learning writing and oral expression



國立臺灣科技大學語言中心首次攜手 Fulbright 學術交流基金會，於 1 月 8 日至 1 月 10 日期間合辦三天冬令營英語課程，提升學生口說及寫作技能。課程內容涵蓋 9 小時口說訓練及 9 小時寫作訓練的主題式工作坊。口語訓練從英語簡報技巧、研究所英文面試環節以及職場面試訓練等，多方面加強口語表達能力。而寫作訓練則涵蓋英文簡報製作及準備、論點式寫作法以及撰寫英文履歷，以多樣化型態增進英語寫作能力。臺科大設計系大四張庭甄同學表示，由於自身口說和寫作能力比較不足，因此毫不猶豫報名此次英語冬令營活動，覺得課程安排循序漸進也很實用，過程中不只學到關於履歷撰寫及面試技巧，也在工作坊中實際練習多元寫作，給予許多跟同學和外師以英文分享交流的機會。最令她感動的是，無論是授課外師還是同學們都鼓勵大家多開口發言，一旦跨出那一步後，才發現原來自己有辦法透過英文表達自我想法，甚至跟別人聊天。 [...點擊看更多](#)

The Language Center of Taiwan Tech, in collaboration with the Fulbright Foundation for Scholarly Exchange, will jointly host a three-day winter camp English program from January 8th to January 10th to enhance students' speaking and writing skills. The program includes themed workshops covering 9 hours of speaking training and 9 hours of writing training. The speaking training encompasses various aspects, including English presentation skills, English interview sessions for research institutes, and workplace interview preparation, all aimed at strengthening oral communication skills. On the other hand, writing training covers diverse formats such as English presentation preparation, argumentative writing techniques, and crafting English resumes to enhance English writing abilities. [...more](#)

突破框架、解決全球性議題 臺科大3碩士斬獲教育部及多項國際大獎

Breaking through boundaries and addressing global issues, three master's students from Taiwan Tech have won various international awards from the Ministry of Education

📅 2024-01-22



國立臺灣科技大學建築系碩士班周勤超、吳宛璇及劉曉瞳在教育部技職之光中嶄露頭角，吳宛璇、周勤超作品《RE-INTERTWINE: Rethinking Beirut Port》勇奪多項國際大獎，因此獲頒競賽卓越獎；劉曉瞳則是在就學期間就取得建築師證照，榮獲技職傑出獎「證照達人」，這些年輕學子未來都會秉持熱情在業界及學界學習深造，在建築領域慢慢綻放屬於自己的光彩。受大學畢業設計的影響，吳宛璇和周勤超開始對公共空間與都市設計產生興趣，攻讀臺科大建築研究所期間，《RE-INTERTWINE: Rethinking Beirut Port》正是他們第一個都市總體規劃與設計項目。他們以重建爆炸後的黎巴嫩貝魯特港口為出發點，重新分配整個貝魯特港口區域的發展，以新的公共運輸系統打造多樣化節點的城市生活圈，連接新與舊的城市街廓，使新的港口區可以與現有的街區達到良好的鄰里關係。[...點擊看更多](#)

The master's students Qin-Chao Zhou, Wan-Xuan Wu, and Xiao-Tong Liu from the Department of Architecture at Taiwan Tech have stood out in the spotlight of the Ministry of Education's technical and vocational education. Wan-Xuan Wu and Qin-Chao Zhou's work, titled "RE-INTERTWINE: Rethinking Beirut Port", has won numerous international awards, earning them the Outstanding Competition Award. On the other hand, Xiao-Tong Liu obtained an architect license during his academic studies and was honored with the Outstanding Technical and Vocational Award for his achievements as a "License Master". These young scholars will continue to pursue their passion, furthering their learning in both the industry and academia, gradually shining in the field of architecture with their own brilliance."[...more](#)

臺科大與九州工業大學合辦電資實務國際研討會 培養學生國際橋接力

Taiwan Tech and Kyushu Institute of Technology jointly organize an international practical seminar on electrical engineering and computer science to foster international connections for students

📅 2024-01-19



國立臺灣科技大學電資學院在12月25日至26日舉辦第二屆「電資實務應用國際研討會」，首度與日本九州工業大學合作，於日本福岡盛大登場，現場聚集超過20位來自台灣和日本的電資專家，共同探討電子資訊工程未來的發展方向及創新應用，為國內外師生提供一個重要的交流場域，有助於提升學生的國際視野和國際就業競爭力。「電資實務國際研討會」特別邀請主導日本5G/6G網路發展的東京大學Nakao Akihiro教授擔任專題演講主講人，探討在5G/6G前瞻技術及其關鍵應用在日本的發展現況。此外，電資學院今年也舉行電資主題海報競賽，共有17組學生報名參賽，經過院內審核，最後選派11組團隊共16名學生在研討會中用英語進行專題報告，主題包含：AI音樂治療聊天機器人、投籃姿勢輔助系統、自然災害檢測和森林砍伐監測系統等。[...點擊看更多](#)

From December 25th to 26th, the College of Electrical Engineering and Computer Science at Taiwan Tech hosted the second "International Practical Applications Seminar on Electrical Engineering and Computer Science". The event collaborated with the Kyushu Institute of Technology in Japan for the first time, taking place in Fukuoka, Japan. The conference brought together over 20 experts in electrical engineering and computer science from Taiwan and Japan to explore the future directions and innovative applications of electronic information engineering. This event served as an important platform for domestic and international faculty and students to exchange ideas, contributing to the enhancement of students' international perspectives and competitiveness in the global job market.[...more](#)

臺科大學子聚焦交通安全 研發車輛故障光纖警示裝置降低追撞率

Students from Taiwan Tech focus on Traffic Safety and develop fiber-optic warning devices for vehicle faults to reduce rear-end collision rates

📅 2024-01-18



開車出門時若車輛發生故障或車禍時，民眾需在車後放置三角警示牌避免遭後車追撞，然而國道車禍的追撞事故仍時有耳聞。為改善傳統三角警示牌高度過低、人工擺放危險性過高等問題，國立臺灣科技大學設計系學生利用光纖特性設計出「Mopti-fi小型車故障光纖警示裝置」，成功將創新思維融入交通安全領域。該裝置也從543件作品中殺出重圍，獲得「2023康寧創星家 - 創新應用競賽」第三名與獎學金10萬元。根據道安資訊查詢網統計資料，「未注意車前狀況」名列全國小型車事故肇事原因第一，這支由設計系二年級學生林勤皓、袁旭東、羅坤辰、張哲誠、陳暉涵、林蕙瑀組成的團隊，鎖定與民眾息息相關的交通安全問題，將小型自走車融合光纖輕盈可彎曲及防水的特性，只要將裝置一端固定於車頂，另一端透過手機APP搖控自走車向後行走，延伸出的光纖警示燈條將形成大面積、辨識度高的光纖牆，有效警示後方來車，降低追撞事故發生的機率。[...點擊看更多](#)

When driving, if a vehicle breaks down or is involved in an accident, people must place a warning triangle behind the vehicle to avoid being rear-ended. However, rear-end collisions on highways are still common. To address issues such as the low height of traditional warning triangles and the high risk of manually placing them, students from the Department of Design at Taiwan Tech have designed the “Mopti-fi Small Vehicle Fault Fiber Warning Device” using the characteristics of optical fibers. They successfully integrated innovative thinking into the field of traffic safety. This device, selected from 543 entries, received the third prize and a scholarship of 100,000 yuan in the 2023 Corning Future Innovator - Innovative Application Competition. [...more](#)

將通識課融入藝文展演 臺科大跨域聲景合唱劇場提高學生「音智商」

Integrating general education courses into artistic performances, Taiwan Tech's interdisciplinary soundscape choral theater enhances students' “musical IQ”

📅 2024-01-17



國立臺灣科技大學人文社會學院王維君教授多年來執教「活力合唱」、「音樂與文化」等通識課程廣受學生好評，112學年與通識中心合作舉辦「同一抹月光——跨域聲景合唱劇場」活動，除了指導通識課程「活力合唱」的學生登台演唱外，也邀請財團法人保生文教基金會「雲衷室內合唱團」一同進行演出，為校內師生及城南周遭鄰里帶來溫暖人心的藝術饗宴。通識課程「活力合唱」學生在舞台上盡情展現自我。王維君教授在臺科大任教14年，曾連續二年榮獲教育部教學實踐研究績優計畫與教育部傑出通識教師獎殊榮，為帶給學生不同的收穫，她藉由本次籌辦音樂會的機會培養跨域人才。本場音樂會以「月」為核心，除完整呈現合唱藝術外，還結合數位科技影像、聲音採集、音景、舞蹈、戲劇等內容，以跨域合唱劇場方式展現學生的學習成果。[...點擊看更多](#)

Professor Wei-Chun Wang of the College of Liberal Arts and Social Sciences at Taiwan Tech has received widespread acclaim for teaching general education courses such as “Vibrant Chorus” and “Music and Culture” over the years. In the 112th academic year, in collaboration with the General Education Center, she organized the event “Under the Same Moonlight — Soundscape Choral Theater”. In addition to guiding students from the general education course “Vibrant Chorus” to perform on stage, the event also featured a performance by the Yun-Chung Chamber Choir, sponsored by the Bao-Sheng Cultural and Educational Foundation, bringing a heart-warming artistic feast to the hearts of students, faculty, and the surrounding community in the southern part of the city. [...more](#)

臺科大蔡昇恩致力推廣機器人教育 打造國際賽事在台舉辦

Tsai Sheng-En from Taiwan Tech is committed to promoting robotics education and organizing international competitions in Taiwan

📅 2024-01-15

獲得2023年日本MiSUMi機器人特別賞的臺科大機械工程系碩三蔡昇恩同學，從參與大小比賽、創業開公司到致力推動機器人教育及健全制度環境，甚至打造臺灣自己的人型機器人賽事「STR賽創爾人型機器人競技」，希望臺灣也能擁有自己的國際化機器人比賽，所有努力都是為了他熱愛的人型機器人。蔡昇恩在2023年得到日本MiSUMi特別賞及殿軍，他發現較以往大幅進步的原因，竟只是以往語言不通情況下，對規則不夠瞭解，並非台灣團隊的實力不足，因此這也讓他下定決心，想要在台灣定期舉辦大型賽事，讓台灣團隊熟悉比賽規則。蔡昇恩強烈希望常態性國際賽事能在台灣舉



辦，可帶動機器人教育與鼓勵民眾參與，也可解決以往出國參賽需自費，籌措不易的窘境。常態性營利模式下，可良性循環永續發展，長此以往就不需仰賴政府或企業支持，而獨立運作。未來也期盼將餅作大，成立協會型組織，好讓生態圈內的大家共存共榮。[...點擊看更多](#)

In 2023, Sheng-En Tsai, a third-year graduate student in the Department of Mechanical Engineering at Taiwan Tech, was awarded the Special Prize in Robotics by MiSUMi in Japan. From participating in big and small competitions, and starting his own company, he is committed to promoting robotics education and improving the institutional environment. He established Taiwan's own humanoid robot competition, the "STR Humanoid Robot Competition". He hopes that Taiwan can also have its own international robotics competition. All his efforts are driven by his passion for humanoid robots. In 2023, Sheng-En Tsai achieved the Special Prize and first place in the MiSUMi Robotics Competition in Japan. [...more](#)

展現堅韌毅力與技術 臺科大學子奪亞洲技能競賽1金4銀1銅

Demonstrating perseverance and skills, students from Taiwan Tech win 1 gold, 4 silver, and 1 bronze in the WorldSkills Asia Competition  2024-01-08



國立臺灣科技大學學生賴韋呈、劉冠緯、傅永傑、薛弘祥、廖建凱、江垣禎與吳明哲展現卓越實力，共摘下2023年亞洲技能競賽1金4銀1銅的佳績，他們也準備在2024年9月法國里昂迎戰全球技職好手，期望將競賽期間累積的經驗與技術在明年賽場上發揮，延續佳績，讓臺灣旗幟在國際頒獎台上飛揚。亞洲技能競賽被譽為「技職界亞運」，今年共有印尼、日本、泰國、臺灣等14國、逾百位選手參賽。臺科大資工系學生賴韋呈在商務軟體設計職類擊敗亞洲頂尖好手獲得金牌殊榮，他說明，商務軟體設計就像是「從零到有」滿足客戶需求，內容包含系統開發設計、資料庫建置、網頁程式設計、軟體設計、App等無所不包，賴韋呈謙虛表示，除平日累積與臨場反應，運氣也相當重要，他認為擔任國手是使命與責任，所以專注練習，完全沒有休閒娛樂，而現在完成第一階段的使命，正朝著第二階段持續邁進。[...點擊看更多](#)

Students from Taiwan Tech, including Wei-Cheng Lai, Guan-Wei Liu, Yong-Jie Fu, Hong-Xiang Xue, Jian-Kai Liao, Yuan-Zhen Jiang, and Ming-Zhe Wu, have showcased outstanding abilities and won a total of 1 gold, 4 silver, and 1 bronze at the 2023 Worldskills Asia Competition. They are also preparing to face global technical players in Lyon, France, in September 2024. The team hopes to leverage the experience and skills accumulated during the competition to continue their success in the upcoming year, raising the Taiwanese flag high on the international stage. The Worldskills Asia Competition is known as the "Technical Asian Games". This year, there were more than 100 contestants from 14 countries, including Indonesia, Japan, Thailand, and Taiwan. Wei-Cheng Lai, a student from the Department of Computer Science and Information Engineering at Taiwan Tech, secured a gold medal in the Business Software Design category, triumphing over top-notch competitors in Asia. [...more](#)

成為文化傳承的種子 臺科大學生奪原住民族語歌唱大賽第三

Becoming the seed of cultural heritage, students from Taiwan Tech won the third place in the Indigenous Language Singing Contest  2024-01-02

國立臺灣科技大學原住民青年社參加北區大專學生原住民族語歌唱大賽，透過一連串的〈小米嚕新祭〉、〈歌頌達魯瑪克〉、〈勇士舞〉等樂曲，將台東魯凱族達魯瑪克(Taromak)部落的傳統樂舞搬到舞台上，完整呈現出達魯瑪克部落男女在籌備一年一度的小米收穫祭前的慎重及和團結的力量。就讀機械系大四的團長陳宇聖(Cegaw)說，為了呈現最完整正確的部落文化，團員們也特意前往部落進行長期踏查，陳宇聖雖然遺憾本次比賽只獲得第三名，但都已經全力以赴，他指出「大家都有享受在這個舞台」，也在過程中創造出許多美好的回憶。陳宇聖已經是第三次參加北區大專學生



原住民族語歌唱大賽，他回憶，自己大一時在學長姐帶領下第一次參賽，在開賽前就因現場的氛圍和震撼力淚流滿面，他希望將這份感動延續下去，也希望可以將原住民傳統樂舞保留、向外傳遞給他人。[...點擊看更多](#)

Indigenous Youth Club of Taiwan Tech participated in the Northern Region Indigenous Language Singing Contest for college students. Through a series of melodies including "New Millet Harvest", "Praising Taromak", and "Warrior's Dance", they brought the traditional music and dance of the Rukai tribe's Taromak tribe in Taitung to the stage. The performance vividly portrayed the careful preparation and unity of the men and women of the Taromak tribe before their annual millet harvest festival. The team leader, Yu-Sheng Chen (Cegaw), a senior majoring in the Department of Mechanical Engineering, mentioned that to accurately represent the tribal culture, the members had conducted extensive fieldwork in the tribe. While Yu-Sheng Chen felt regretful about achieving only third place in this competition, he emphasized that everyone had given their utmost effort. He pointed out that "everyone enjoyed being on this stage", and the journey had created many wonderful memories along the way.[...more](#)