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臺科大

TAIWAN TECH



NEWS 校內新聞快報

臺科大 Taiwan Tech

HOT NEWS

校內新聞快報【七月・創刊號 第05期】

School News Bulletin, July, Issue 05

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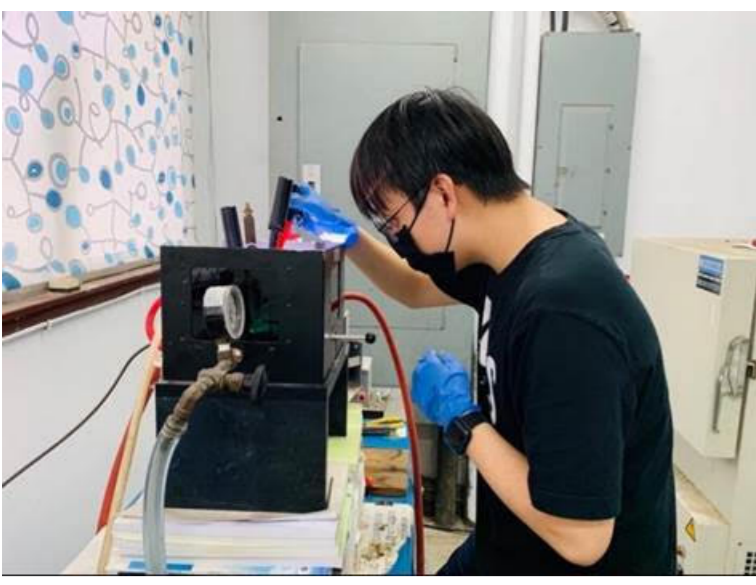
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臺科大口罩辨識、高熵合金及鋰電池改造 獲國科會大專生研究創作獎

Taiwan Tech has been honored with the College Student Research Creativity Award by the National Science and Technology Council for its outstanding work in the fields of Mask Recognition, High-Entropy Alloys, and Lithium Battery Modification.

2023-07-27



國科會日前公布「111年度大專學生研究創作獎」得獎名單，臺科大有3位同學獲獎，分別是電機系同學洪宇晨「基於物聯網服務之即時口罩正確配戴辨識系統」、材料系同學江子揚「CoCuFeNi高熵合金與Sn錫料之界面反應」和化工系同學張佳馨「新型無陽極鋰雙金屬電池電解液研究」。

由陸敬互教授指導的洪宇晨連結口罩配戴辨識與自動化提醒裝置，希望降低因提醒配戴口罩而造成的衝突。洪宇晨表示，過去雖然有利用AI辨識人臉是否配戴口罩及配戴正確性的研究，但很少有更進一步的應用，因此他利用邊緣運算裝置NVIDIA Jetson TX2和單晶片電腦樹莓派，建構基於物聯網服務的「口罩正確配戴辨識系統」，在辨識口罩配戴情況（正確配戴、不正確配戴或未配戴）後，資訊會被傳送到裝置端，配合語音或開門，提醒防疫規範。...[點擊看更多](#)

The National Science and Technology Council has recently announced the list of recipients of the "111th College Student Research Creativity Award," and we are proud to announce that three students from Taiwan Tech have been recognized for their exceptional achievements. The awardees are as follows:

Yu-Chen Hong, from the Department of Electrical Engineering, for his project titled "Real-time Mask Wearing Recognition System based on Internet of Things (IoT) Services" Zi-Yang Jiang, from the Department of Materials Science and Engineering, for the work on "Interface Reaction of CoCuFeNi High-Entropy Alloys and Sn-based Solder" Jia-Xin Zhang, from the Department of Chemical Engineering, for the work on "Research on Novel Anode-free Lithium-Cesium Bimetallic Battery Electrolyte." ...[more](#)

畢業四十年 臺灣工業技術學院榜單重現

2023-07-14

Forty years after graduation, National Taiwan Institute of Technology's honor roll reappears.



112年7月1日，臺灣工業技術學院放榜了，在榜單前查榜的不是焦慮的年輕學子，而是年逾60歲、畢業40(+1)年、攜家帶眷的校友。臺灣工業技術學院，現今的臺灣科技大學，40年前是全臺唯一技職大學，所有高職及專科學生夢想中的高等學府，當年考上「工技」的學生，尤其是鄉下地區，無不受到全村的祝賀，鞭炮聲不絕於耳。臺科大畢業40重聚會，始於民國107年，當時已經有3屆的學長畢業超過40年，為了再續工技學院師生情誼，也避免讓更多學長姐錯過畢業40年，學校和校友總會發起舉辦重聚會，邀請第一至第三屆畢業的學長、創校校長陳履安與當年的老師們回校相聚，在老照片中穿越時間長廊，重現往日情懷！受到學長與師長們的熱烈迴響，我們於108、109及110年持續辦理，112年，通過疫情的考驗，大家7月1日終於再相見，從查榜、報到、系上座談到謝師宴，讓校友再次體驗當年放榜、上課及畢業的情景。...[點擊看更多](#)

On July 1st, 112th year, the National Taiwan Institute of Technology announced its honor roll. Instead of anxious young students eagerly checking the list, it was alumni over 60 years old, who had graduated 40 (+1) years ago, accompanied by their families, that anxiously awaited the results. National Taiwan Institute of Technology, currently known as Taiwan Tech, was the only vocational and technical university in Taiwan 40 years ago. It was the dream university for all vocational and technical school students. Students from rural areas who passed the entrance exam would receive congratulations from the entire village in which they pushed the boat out to celebrate. The 40-year reunion of Taiwan Tech's graduates started in 2018. At that time, there were three classes that had already graduated over four decades. In order to renew the bonds between the alumni and to ensure that more senior graduates did not miss out on the 40-year milestone, the university, and the alumni association took the initiative to organize reunions. Graduates from the first to third classes were invited, along with the founding president, ...[more](#)

巴國總統訪問臺科大，肯定「臺巴科大」為臺灣高等教育輸出典範

2023-07-13

The President of Paraguay visited Taiwan Tech, acknowledging the "Taiwan-Paraguay Tech University" as an exemplary model of Taiwan's higher education export.



臺灣友邦巴拉圭候任總統貝尼亞(Santiago Peña)閣下與夫人蕾蒂希亞(Leticia Ocampo)女士，率巴國候任外交部長拉米雷斯與候任總統府秘書長希梅內絲等一行貴賓11人，於7月13日上午蒞臨國立臺灣科技大學進行參訪。臺科大顏家鈺校長率領一級主管熱情接待並說明執行外交部臺巴科技大學專案五年來的豐碩成果，包括協助建立教學實驗室、選派師資赴巴、安排大三學生來台交換一年半、大四下留台實習等。臺巴科大自2019年成立迄今總共招收514名學生，第一屆已有72名學生於2022年底完成學業，進入各個工程專業領域服務，亦有少數繼續赴海外進修碩士學位。其中一位已經被臺科大機械系碩士班錄取，將於秋季班再度來台繼續學業。臺科大已接待過286名臺巴科大交換生來台，其中16名今年首次有機會留臺，到車王電子、廣碩系統、中興工程顧問、台灣世曦、先鋒機械以及新東機械等7家公司實習。...[點擊看更多](#)

The President-elect of Paraguay, Mr. Santiago Peña, together with his wife, Mrs. Leticia Ocampo, and a delegation of 11 esteemed members, including the Minister-designate of Foreign Affairs, Mr. Ramírez, and the Secretary-General-designate of the Presidential Office, Ms. Jiménez, visited Taiwan Tech on the morning of July 13th. President Jia-Yush Yen of Taiwan Tech warmly welcomed the distinguished guests and presented a comprehensive overview of the fruitful outcomes achieved in the five years of implementing the Universidad Politecnica Taiwan Paraguay project. The notable achievements included the establishment of teaching laboratories, the dispatch of highly qualified faculty members to Paraguay, the facilitation of one-and-a-half-year student exchange programs for third-year students, and the arrangement of internship opportunities in Taiwan for final-year students. ...[more](#)

科大工管系外籍學生三峽文化之旅

2023-07-12

International students from Department of Industrial Management, Taiwan Tech, go on a cultural trip to Sanxia.



臺科大工業管理系於6月中旬舉辦外籍學生校外參訪活動，藉由實地至新北市三峽老街參訪古蹟、藍染手作、包粽子等活動，豐富學生在臺生活體驗，提升外籍學生對臺灣文化興趣，擴展與傳承臺灣文化於國際社群之影響力。來自菲律賓的工管系專案教師馬瑞藍表示，這次的旅行非常豐富與精彩，透過參觀三峽祖師廟的古老雕刻、老街的建築，以及親手包粽子時候的美味香氣，讓我們深刻體驗臺灣的文化之美。更重要的是，這次文化之旅讓我們這些外國人瞭解一件重要的事情：臺灣人民樂意給予熱情與包容。本次活動共有52位外籍同學參加，也是111學年首次工管系外籍學生會協助籌備的校外活動，同時為歡送即將畢業的學長姊，所舉辦的畢業旅行。工管系的外籍學生會由超過百位同學組成，平時學弟妹有生活、課業、行政問題都會彼此交流，透過通訊軟體...[點擊看更多](#)

In mid-June, the Department of Industrial Management at Taiwan Tech organized an off-campus visit for international students. The program included a field trip to the historic Sanxia Old Street in New Taipei City, where students had the opportunity to explore cultural landmarks, engage in Indigo dyeing craftsmanship, and participate in traditional zongzi (sticky rice dumpling) making activities. This initiative aimed to enrich the students' experiential learning in Taiwan, foster their interest in Taiwanese culture, and expand the influence of Taiwan's culture within the international community by promoting its preservation and transmission. Mr. Ryan Ma, a project instructor from the Philippines in the Department of Industrial Management, expressed that this trip was incredibly enriching and remarkable. Through visits to the ancient carvings at Sanxia Zushi Temple, the architecture of the old street, and the delightful aroma experienced while personally making zongzi, we were able to deeply appreciate the beauty of Taiwanese culture. ...[more](#)

枯燥IPC課程轉化桌遊 臺科大產學合作改善生產品質

2023-07-10

Transforming a dull IPC Course into an engaging board game: "Taiwan Tech Industry-Academia Collaboration to Enhance Production Quality."

「籌碼壓多少？」「下好離手！」「廠長我們要賭珍珠奶茶跟便當。」「那我出難一點的題目。」你能想像，這樣的對話將會發生在IPC（電子產業品質標準）培訓課程嗎？原先枯燥的IPC（電子產業品質標準）課程，被轉換成大家都享受的桌遊。

在新呈工業的會議室，員工拿著牌卡、籌碼，正試玩桌遊。桌遊由公司董事長陳泳睿與臺科大教授侯惠澤合作開發，將用來輔助IPC培訓課程，轉化枯燥的品質標準法則，變為類似「德州撲克」的桌遊。還能配合不同人數、難易度有多種玩法，過程中，也可以看出員工對不同領域的熟悉度。目前這套遊戲已研發完，也在內部使用過，預計會開始運用於授課。陳泳睿是臺科大EDBA（管理研究所）博士班學生同時也是新呈工業董事長，講究學習與突破的他希望回到校園，跟上時代趨勢。過去幾年，他帶領進行數位轉型、綠色轉型，成果亮眼。陳泳睿在上課過程中，也注意到臺科大有許多外籍同學、同仁，他期待未來可以跟臺科大有更多...[點擊看更多](#)

"How much are we betting on?" "Deal!"

"Boss, we're betting on boba milk tea and lunchboxes." "Alright, I'll come up with a more challenging question."

Can you imagine such a conversation happening in an IPC (Electronic Industry Quality Standards) training course? In the conference room of New Horizons Industries, employees are playing a board game with cards and chips. The game was developed as a result of a collaborative effort between the company's chairman, Yong-Rui Chen, and Professor Hui-Ze Hou from Taiwan Tech. It is designed to supplement IPC training courses and convert the dull course about quality standards into an interactive game resembling "Texas Hold'em." The game offers various gameplay options accommodating different numbers of players and difficulty levels, enabling participants to showcase their familiarity with diverse domains. The game has been fully developed and tested internally, and it is expected to incorporate this game into instructional sessions in the near future. ...[more](#)

臺科大原民議題工作坊 深化多元認同建構友善氛圍

2023-07-07

Taiwan Tech's Indigenous Issue Workshop: Deepening Diverse Identity and Fostering a Friendly Atmosphere





臺科大原住民族學生資源中心於日前舉行「議題桌遊：眾聲議會工作坊」，以桌遊方式討論多元族群、性別及文化等議題。應用外語系升大四的泰雅族黃妤潔同學表示，在大學以前，對自己原住民身分相當疏離，因為升學優待政策，得以進入臺科大，讓她深思是否不應有這項優惠。但後來深入了解到，這項升學優待，是外加名額，不會造成教育資源排擠，也不影響非原住民學生升學名額。讓她逐漸鬆動原本排斥的標籤化身分，在原住民青年社團認識了許多比一般生優秀的原住民學長姐。

透過這次桌遊活動，她在討論中瞭解，傳統文化部落的家父長制下，原住民族對多元性別議題比非原住民更保守。另外，也更釐清之前對原住民族升學優待的看法，黃妤潔認為，偏鄉原住民族的確需要這項政策，提升原住民族普遍低社經地位的處境，她也在暑假期間投入幫助花蓮原住民小學生的營隊活動。應用科技研究所博士班四年級的非原住民生李同學指出，他原本認為「原住民」一詞是區別化的標籤，有礙族群融合；對原住民...[點擊看更多](#)

The Resource Center for Indigenous Students at Taiwan Tech recently organized a workshop entitled "Issue Board Game: Multi-Stakeholder Dialogue Forum." This workshop employed a board game as a creative and engaging medium to facilitate discussions on topics related to multiculturalism, gender, and cultural diversity. Yu-Jie Huang, a fourth-year student majoring in Applied Foreign Languages and a member of the Atayal indigenous community, shared her perspective. Prior to attending university, she felt a significant sense of disconnection from her indigenous identity. She questioned whether she should benefit from preferential admissions policies that allowed her to enter Taiwan Tech. However, through further exploration, she realized that preferential admissions were implemented in addition to existing enrollment quotas, ensuring that educational ...[more](#)