



NATIONAL TAIPEI UNIVERSITY OF TECHNOLOGY

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## Taipei Tech Career Expo Attracts over 120 Enterprises for Talent Hunt

The Taipei Tech career expo, held on March 21, attracted more than 120 enterprises seeking talent on campus. Represented fields with job openings included software engineering, engineering, management, and automation R&D positions, among others, and nearly 6,000 job vacancies were highlighted during the one-day event. Well-known companies such as Amazon, TSMC, Hon Hai, and LARGAN Precision all participated. Amazon also held a recruitment orientation exclusively for Taipei Tech.

The career expo is always a great chance for students to learn more information about firms, job requirements, and other valuable career information. This year, 19% of participating companies were foreign companies, a new record in Taipei Tech's career expo history.



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Email

oia@ntut.edu.tw

Editor in Chief

Ho-Chiao Chuang  
(Dean of International  
Affairs)

Editorial Team

Penny Huang  
Jessie Lin  
John Chen

Writer

Penny Huang





Taipei Tech president Wang Sea-fue noted that Taipei Tech is dedicated to preparing students for today's job market. We have made computer programming classes and student internships requirements for graduation. We also encourage students to participate in our second specialty program in order to increase their competitiveness. Taipei Tech is also eager to help students make a smooth transition from the classroom to their career. In addition to the career expo, we hold twenty-six other recruitment orientations on campus that aim to match students with job opportunities.



## Taipei Tech Library Reopens on April 10

How much time did you spend in the library when you were in school? Would you say that the library is one of the most important places for student during college? We have an affirmative answer for this question at Taipei Tech. Therefore we wanted to improve user experiences and technology in our library, providing students with a better environment.

Designed by architect Chris Y. Teng, one of the main designers for Eslite Spectrum, Suzhou, the new Taipei Tech Library is close to what we think of when we imagine a high-class bookstore. It is an ideal place for people to read while enjoying a relaxing atmosphere.

But the interior design is not the only special feature of the Taipei Tech Library. We are devoting significant portions of the budget to electronic resources such as online research database like Scopus, IEEE Xplore, JSTOR, Project MUSE, and so on. Workshops and seminars are held on a monthly basis in order to equip students with the ability to make the best use of the library's resources, according to the Dean of the Library, Prof. Chen Ing-Yi.

If you are a movie lover, don't miss the multimedia space. Located in B1, it provides more than forty booths with TV screens and sofas. Over 4,000 DVDs are available for both learning and recreational purposes.



We are also very proud of Taipei Tech students' involvement in the Library's renovation. Students from the department of Interaction Design and the department of Industrial Design were in charge of part of the image design and the interior decoration. They even made a short and extremely creative film to promote the library's new look and services.

First established in 1926, the Taipei Tech Library moved to its current location in 1992. In 2017, the makeover process began. After months of construction, the re-opening ceremony was held on April 10.

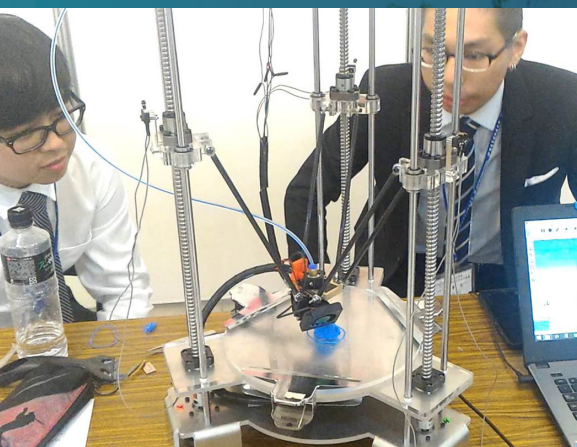




# Three International Research Centers to be Established at Taipei Tech

In 2018, the Ministry of Education allocated resources to the “Higher Education Deep Plowing Project,” which aims to make universities more globally competitive in teaching and research. An estimated 4.4 billion NT will be given to higher education institutes.

Taipei Tech received approximately 278 million NT in subsidies from the project and is expected to set up three international research centers, including the Additive Manufacturing Center for Mass Customization Production, the Smart Textile Technology Research Center, and the Research Center of Energy Conservation for a New Generation of Residential, Commercial, and Industrial Sectors.



## **The Additive Manufacturing Center for Mass Customization Production**

Additive manufacturing is commonly known as 3D printing. Our research center will apply intelligent measurement techniques to 3D printing, allowing us to make a unique item for customers while still using a mass production process. The center has already participated in successful academia-industry cooperation: it has customized artificial teeth and shoe pads, for instance. Necessity goods provide an even bigger market. If the center can get into the mass market, the potential value will be much higher. The shoe industry, where the estimated revenue for NIKE and Adidas is more than fifty billion NT per year, would be an excellent example of the type of industry for which the center would be a good fit.

## **Smart Textile Technology Research Center**

As the largest producer of functional textiles in the world, Taiwan produced over three hundred billion NT worth of functional textiles in 2016. Wrinkle-resistant, flexible, and breathable fabrics are the trends in the smart textile industry. The Smart Textile Technology Research Center focuses on the crucial technologies behind making multi-functional textiles. Many famous brands such as Victoria's Secret and lululemon use the research results from the Coating Process and Material R&D Center, the predecessor of the Smart Textile Technology Research Center, in their products.



## **Research Center of Energy Conservation for a New Generation of Residential, Commercial, and Industrial Sectors**

Over 40% of a building's electricity consumption goes to the air-conditioning system, according to Taiwan's Bureau of Energy. Therefore, making air conditioners more efficient is key to energy conservation. Taipei Tech's Research Center of Energy Conservation tackles this problem from various angles, including building a more efficient air-conditioning system, online energy consumption data platform, intelligent control technology, and insulation for green building, and so on. The center gathers more than thirty specialists from academia, industry, and government, at both the national and global levels. The center also works to assist in solving Taiwan's electricity supply gap and to increase electricity generation



# Taipei Tech and Delta Join Hands to Establish Smart Manufacturing Lab

Taipei Tech, also known as NTUT, and Delta, the leading automation company in Taiwan, recently collaborated to set up the NTUT Delta Smart Manufacturing Lab. The inauguration ceremony was held on April 11 on campus.

In the inauguration ceremony, Taipei Tech president Prof. Wang Sea-fue noted that Taipei Tech and Delta have a long-standing history of cooperation. Since 2011, Delta has been devoting resources to establish two labs at Taipei Tech that enrich students' learning environment. As a school that focuses on decreasing the gap between academia and industry, Taipei Tech provides many factory labs and internship opportunities. President Wang believes that the launch of the NTUT Delta Smart Manufacturing Lab will dramatically advance the practicality of our university's teaching. The new lab is also a milestone for Taipei Tech on the path of heading toward Industry 4.0.

The Smart Manufacturing Lab is filled with advanced machinery. Robotic arms, laser engraving machines, sensors, and CNC controllers build up a smart manufacturing line that acts as a great practice field for students before they enter the job market.

In addition to the lab inauguration, a MoU was signed on academia-industry cooperation. In the future, Taipei Tech and Delta will have a closer connection in talent cultivation and R&D. In fact, Taipei Tech is going to send seven students abroad this summer to Delta Electronics, Thailand for an internship. According to Delta IABG General Manager Andy Liu, these interns will not only operate factory machinery but also interact with other interns from around the globe who are participating in the program. In other words, students will simultaneously gain an international perspective and hands-on work experience.

Liu, when speaking of the reasons why Delta chose to work with Taipei Tech, praised the university's high-quality faculty, advanced equipment, and practical training. He mentioned that industry has a strong and urgent need for smart manufacturing talent. In addition to smart manufacturing needs in China, Southeast Asian countries such as India, Vietnam, and Thailand all have the same talent demand.

Taipei Tech and Delta have also co-designed several courses that will be useful to students with interests in smart manufacturing; these courses include Mechatronic System and Design and Automatic System.

