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Students



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Internship News

Nobel Laureate Dr. Negishi Teaches TAIPEI TECHnists How to Succeed in Life

by Jenny Chen

Nobel Laureate, also Taipei Tech's International Chair Professor, Dr. Ei-ichi Negishi spoke to student at the Chian Kai-Shek Auditorium in December of 2012. He shared his experiences and his journey towards attaining the Nobel Prize.

Shortly before his speech, Dr. Negishi attended Taipei Tech's Paradigm University Committee meeting, wherein he advised the members to look towards being the best and compare Taipei Tech with technical schools beyond Taiwan and Asia, like MIT, Georgia Tech, and ETH Zurich, just to name a few. Being the best should be our standard and goal, and we should believe that we have the capacity to compete at an international level with the world's best technical schools. Dr. Negishi also mentioned that since Taipei Tech already have a well recognized electrical engineering department, the school can also start to look at putting more emphasis on its chemistry department. The chemical component of a technical school should not be sidelined as chemistry is the base for many technological developments as well, which can subsequently improve Taipei Tech other departments.

Soon after the Committee meeting, Dr. Negishi made his way to the Chiang Kai-Shek Auditorium for his keynote speech, "The Nobel Journey through Chemistry – an intergenerational dialogue with Dr. Negishi". The auditorium was fully packed with more than 200 students not only from Taipei Tech, but also high school students from Taipei First Girl High School(北一女)、The Affiliated Senior High School of National Taiwan Normal University (師大附中), and National Panchiao High School(板橋中學). Dr. Negishi started off his speech by encouraging everyone to find their passion in life and pursue it, and reminded the students that anybody can win a Nobel Prize. However if one wants to achieve something and be good at what one does, one must first have to qualify to succeed. In other words, if one wants to win an Olympic medal in running, one has to qualify to run really fast. The mixture of academic diligence and passion will be key to earning that success. Over the past 100 years, there have only been 1000 Nobel Prize winners; the odds of winning are one in 10 million. But if we break down every effort towards success into steps, and every step has 1 out of 10 chances to succeed, you can reach your goal within 7 steps. With every effort, it's another step towards one's goal.

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Dr. Negishi (right) receiving Taipei Tech Honorable Doctorate's Degree from President Yao (left).

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After graduating from university, Dr. Negishi went on to work in a polyester company. There was no one to teach him what to do; he had to be his own teacher. He soon comprehended the fact that most companies usually emphasize on application rather than theories; if the result of a research study is not useful, it is deemed useless. It was then he realized that his knowledge was not enough, therefore he went to further his studies abroad.

During his time studying in the United States, he met Professor Brown, who was also a Nobel Prize winner for Chemistry in 1979. Professor Brown was a great mentor to Dr. Negishi; Brown taught him HOW to do research successfully, but not WHAT to do research on. Dr. Negishi then adapted a method of "systematic exploration" for chemistry. Through his explorations, he found that palladium is a useful transitional metal that can work as a catalyst. Palladium can be expensive, but as a transitional metal catalyst it can be reused infinitely to reduce costs. It was this discovery of palladium-catalyzed cross-coupling that earned Dr. Negishi his Nobel Prize medal in 2010. He had created an influential tool for synthesizing a wide range of useful chemicals used in medicine, agriculture, and electronics. His ground breaking work is now widely used in the industry and research studies in a variety of applications including pharmaceutical antibiotics that work on drug resistant bacteria, agricultural chemicals that protect crops from fungi, and electronic light-emitting diodes used in the production of extremely thin monitors.

Dr. Negishi provided many good suggestions to both the improvement of Taipei Tech and to the growth of the students. In short, both Taipei Tech and its students need to strive for excellence and think of themselves to be the one in a million.



Dr. Negishi speaking candidly to students at Taipei Tech.

Building Future with SHL

SHL Signs MOU with Taipei Tech to establish Swiss Apprentice Program

by Scully Chiu

SHL (Scandinavian Health Ltd.) signed a memorandum of understanding with Taipei Tech to mark the official start to a truly Swiss apprentice program in Taiwan. Taipei Tech is partnering with SHL to educate, train, and ultimately employ a select group of students who will become Computer Numeric Control (CNC) Machining specialists when they graduate. A key driver of the program is to support the growing need for highly qualified CNC personnel and to help cope with the demands of SHL's overseas customers.

SHL Director Ulrich Faessler stated, "Business is good for the SHL Group and we need to set up customized programs such as this cooperative venture with Taipei Tech. Now, each year 15 students will join this program and once they complete it they will become qualified specialists. That is what we need and that is why we have modeled this training program after the apprentice programs that have been so successful in Switzerland. Some of the best tool makers and CNC operators in the world come from that region and similar apprenticeships."

"This collaboration is fully supported by teachers, students, and parents. Students are able to practice while working from Monday to Thursday, and spend two days learning on campus in order to balance both theoretical and practical training,"

the president of Muzha Vocational High School (MCVS) said.

The MCVS will help to provide suitable candidates for this apprentice program to Taipei Tech and be qualified to take the two-year college exam once they graduate. Troy Chiu, the Dean of Continuing Education at Taipei Tech, said, "Taipei Tech will offer a two-year theoretical studies and training program. Students will receive practical training at SHL's state-of-the-art facilities under the direction of experienced CNC operators and tool makers from both Europe and Taiwan." In addition, the Chairman of Department of Mechanical Engineering, Su Chun-Hsi, is looking forward to this apprentice program and wishing to nurture more senior mechanical specialists.

CEO Roger Samuelsson also stated, "SHL's manufacturing base for drug delivery devices is primarily Taiwan, and it is the company's goal to help give back to the communities in which we operate, by cooperating with the local government, educational institutions, and so on. These apprenticeship students will get to work on some of the most advanced tooling and CNC equipment in the world at SHL and get involved with projects worth millions of dollars.

And most importantly for these students, they will have an established career track that starts with a technical job in the area they have studied and prepared for building their future with us."

Dr. Leehter Yao, President of Taipei Tech, states, "Taipei Tech has been focusing on nurturing talented people, practical training, industrial studies and research, as well as the integration with outstanding studies. In order to enhance Taiwan industrial potential, Taipei Tech is and will always be the Model of Technical and Vocational Universities."



Together With Taikoo Motors, Taipei Tech Creating Future Car Technicians

by Jenny Chen

Taipei Tech and Taikoo Motors have been working together to create a complete industry training program in order to develop international level car technicians for the automobile industry. This program provides the students with both the theoretical knowledge and the hands-on experiences they need. It also creates an opportunity for employment after graduation from Taipei Tech. It is an advantageous situation for the vehicle engineering students, in which they can obtain a university degree, a car technician certificate and even possible employment.

Established in the 1970s, Taikoo Motors is one of the largest automobile distribution companies in Taiwan. The company specializes in selling passenger cars and commercial vehicles, such as Volkswagen, Audi, Volvo, and Chrysler, Making it one of the most diverse automobile distribution groups in Taiwan.

Taikoo Motors stated that within 2012, it is estimated that they will need approximately 50 reserve employees. In view of this, Taipei Tech has developed a curriculum designed especially to satisfy the need of Taikoo Motors to hire highly skilled technicians. In addition, Taipei Tech's President Yao stated that starting this year, students entering the program will be required to go through mandatory internship. Consequently, students can gain hands-on experiences and will be able to start working in Taikoo Motors soon after they graduate.

Taikoo Motors boasts of a complete and well established company operations system and offers attractive employee benefits, which appeals to many students interested in working in the automotive industry. A female Taipei Tech student intern at Taikoo Motors stated that although the internship was labor intensive, she would still choose to work there after graduation. She added that "I don't necessarily need to work as a technician; I am also interested in working in parts and service departments."



Ting Hisin International Group Offers Overseas Internship for Taipei Tech Students

by Fenny Wu



fairs at Taipei Tech in which the students from the departments of Mechanical Engineering, Industrial Engineering and Management, and Molecular Science and Engineering are most welcomed to join their company as reserve staff.

Cheng-Hung Chu, senior manager of the Department of Human Resources in Ting Hisin Group said the campus recruitment is held in hopes of providing one-year overseas internship opportunities to not only graduates with master degree but also undergraduate students in Taipei Tech.

Having emphasized Taipei Tech as being a practice and research oriented university, Taipei Tech President Leehter Yao also conveyed his gratitude to Ting Hisin Group for offering oversea internship opportunities for students of Taipei Tech. President Yao believes that such industrial-academic cooperation allows students to intern in industry and hopefully apply what they have learned in the classroom in real business environments so that the students are guaranteed to become the most competitive employees after graduation.

Taipei Tech signed a Memorandum of Understanding (MOU) with Ting Hisin Internship Group, the world's biggest instant noodle maker based in Tianjin, China. The aim is to not only increase mutual opinion and resource exchanges, but to promote the academia-industry collaboration between both parties.

Ting Hisin International Group is planning to hold campus recruitment

Ying-Chung Wei, the board chairman of Ting Hisin International Group, also displayed his great pleasure of such cooperation between his group and Taipei Tech. He sincerely believes that Taipei Tech can continue its impressive track record and maintain its importance in Taiwan's economy, and expects as well that a long term cooperation will materialize in the near future.



Wish you have a great day ahead,

A handwritten signature in black ink, reading "Wenlung Li". The signature is written in a cursive, flowing style.

President

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