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國立交通大學理學院

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肆 啟山林者（歷代理學院長に聞く）

「獨飛，領飛，放手飛」 李 遠鵬

English translation of the part related to Masuhara

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"Fly solo, Lead, and Let it go"

啟山林者

獨飛，領飛，放手飛 李遠鵬

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學而優則仕，這條路徑不只是古代讀書人的「指定賽道」，在今日台灣亦為學界鉅子拓展事業第二春的熱門選項。但也有一群「學術狂人」，若擔任行政顯要是「江山」，研究與教學是「美人」，他們肯定直奔美人懷抱。交大理學院的箇中代



“GOING INTERNATIONAL” by placing full time leading experts from Japan

Among all in-depth international exchange promoted by both Applied Chemistry department and Electrophysics department, the collaborations with Japan were bonded the most.

With the lead of Professor Hiroshi Masuhara and Professor Hiro-o Hamaguchi, both honored with Medal of Purple Ribbon, many other Japanese professors have joined the faculty of the Applied Chemistry. The Department of Electrophysics, too, have the world famous, Takayoshi Kobayashi, who is the expert of ultrafast laser in the early stage, worked in SPROUT, NCTU for over ten years. And Kimitoshi Kono, the low-temperature physics expert has also joined us last year.

Professor Lee found it difficult to invite prominent Japanese professors to NCTU full-time without any prior interaction. So he planned first to invite professors' students to deepen exchanges with NCTU students having them build up an academic bridge and then invite professors. However, NCTU has prepared ample research funds. NCTU thought that by inviting the entire group, including associate professors and assistant professors, NCTU could attract prominent Japanese professors to NCTU. And then, professors would accept the invitation from NCTU.

Until the past few years, the reputation of accepting Japanese professors has spread out, a lot of Japanese professors are willing to come to NCTU with their equipment to continue on their research career. “Professor Kimitoshi Kono joined NCTU last year. He brought not only his existing equipment, but also with JPY¥10 million/per year for research use.”

Amazing Professor Hiroshi Masuhara – Promoting academic exchange between Taiwan and Japan

Among all these Japanese Professors in NCTU, Prof. Masuhara has the greatest contribution to Taiwan. Speaking of his contribution, Prof. YP Lee knows better than anyone. Who would have known that a small talk between Prof. Masuhara and him would turn out to today's Taiwan-Japan academic exchange, not even Prof. Lee himself. At that time, while Prof. Masuhara was invited to NCTU ten years ago, the original plan was going to hire his student to NCTU for the collaboration. But around the same time, Prof. Masuhara's private foundation in Japan was going to closed for

some certain reasons. Prof. Lee, “So I asked him, why don’t you come to Taiwan instead? I believed that he also found it unbelievable himself.”

With the support from the President of NCTU, Mr. Chong-Yu Wu, on one hand, and enough funds from the Ministry of Education on the other, he went on continuing contact with Prof. Masuhara. Not only providing research funds, but Prof. YP Lee also committed to Prof. Masuhara that he will maintain the Japanese System, which is to keep “a research team” as a unit for him as much as he can. Prof. Lee, “It is different in Japan. In Japan, apart from a Professor, a research team also includes an Associate Professor and an Assistant Professor. So, we kept this system for him.” It only took about nearly two months to went from coming to an agreement to going through all the DAC procedures and preparing a lab. “I believe his contribution will be extraordinary after he joins us,” said Prof. Lee. While Prof. Masuhara continues to his research, he also pulls strings for the young researchers in Taiwan with the ones in Japan, have them to join international conferences in Japan, and even recommended awards. Prof. Lee mentioned that Prof. Masuhara guides a research team in Japan as well, which has about 30 to 40 young researchers. “He had all these 30 to 40 researchers come to Taiwan for meeting because he thinks that the young generations should take the chance to know more about Taiwan, learn from each other, or make friends.”

In the past few years, Prof. Masuhara has put his influence on “research” to the “education” level. He called out to the teachers and students of science high schools in Japan and had them come to visit NCTU and join a seminar. Prof. Lee, “Not just one high school, but 2 to 3 high schools, which includes 80 to over 100 people.” He also hosts a Summer Course every year inviting various top foreign professors to join and give a lecture. We had 25 Japanese students joined us last year, this year, we even had students from Australia as well. This is a great opportunity for our students to build up their international connections. Prof. Lee was impressed to say, “His energy is really something, and these international experiences is a good thing for our students.”

Little by little, this academic exchange mode has opened its publicity, and we have even more Japanese Professors joining us, and more people in Japan recognizes NCTU. These top researchers have brought us a great amount of energy in research, and for them, coming to Taiwan and continue on their research life is also a good way to go. One of our NCTU students is now an Assistant Professor in Japan.

After more than a decade, this win-win path is still been carried on through succeeding Deans with great supports from the past Principles. As a pioneer, Professor Yuan-Pern Lee didn't take it all for himself but to give all the credits to others. "This requires the right time, the right place, and the right people. It needs NCTU's open atmosphere and the flexible administration to achieve; and nothing can be done without the 500 million in 5 years from the Ministry of Education. I am truly grateful to our President, Mr. Chong-Yu Wu, and the following two as well, Ms. Yan-Hwa Wu, Mr. Mau-Chung Chang. With their 100% of trust and fully support, I can go ahead and do it without asking everything one by one."