

# 黃敬群教授：學無止境，勇於創新

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畢業於交大電子系的黃敬群教授，從大學到博士班，一路都是讀交大，現今又重返母校教書，一生中大把的青春時光都奉獻給交大。儘管在人生的道路上也曾幾度迷惘，但確立自己想回歸學術界並踏上教書之路後，繞了一圈，最終回到熟悉的交大。

## 兜轉一圈 發現自己志向所在

和許多畢業生一樣，黃敬群教授也曾對於未來感到迷惘。因為身邊同學都到科學園區上班，讓他即使心裡對於學術方面懷抱深切憧憬，仍隨波逐流到科技業闖蕩。然而，在工作六年後，儘管小有成就，發現自己始終心繫學術界，因此回到交大繼續深造，攻讀博士。「因為一開始就有一顆種子在心裡，終於萌芽成對學術的熱切追尋」黃敬群教授說道。

在業界被外派期間，讓他看到外面的世界高手雲集，也確立心中的志願，決定重返學術界走出自己的一派天地。「我覺得自己是喜歡學術界的自由和它可以做許多新的嘗試，畢竟在業界要面臨現實層面的壓力，導致做的東西不能太過冒險，而且一定要在短期內可以看到成果。」

## 多年的運動習慣 成為優勢

大學時期開始，黃敬群教授就有打網球的愛好，過去身為交大網球校隊的他，也有多次代表學校出征梅竹的經歷。談及運動，他表示：「運動過程中其實有太多好處，能讓思緒更清楚。如果能把運動當嗜好，在精進球技的過程中，會有很多體悟，這對學業和事業都有極正面幫助。」

他以網球比賽為例，遇到不同的選手，要適當地調整策略，還要具備專注力、意志力、抗壓力及判斷力，而這些都是人生中不可或缺的能

力。除此之外，運動有助於情緒穩定，也結交許多好友，對於生理和心理上皆有幫助，因此他非常鼓勵學生讀書之餘多運動。

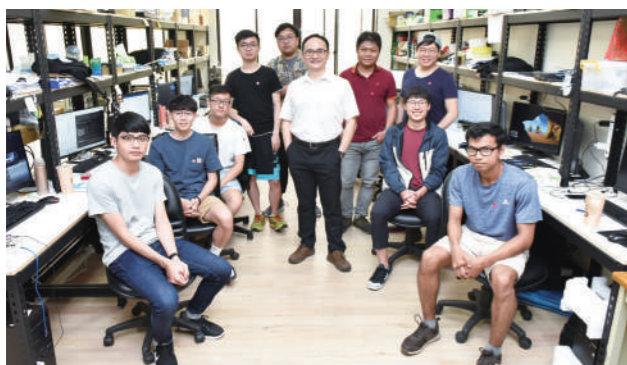
## 因材施教 鼓勵學生勇於創新

黃敬群教授先後到了高科大和中正大學教書，他選擇因材施教去面對不同性質的學生。在科大教書時，他透過實作讓學生瞭解理論，而面對交大同學，他則是用比較抽象的模式，讓學生思考如何將理論與實作連接。黃敬群教授說：「最終的原則沒有改變，只是教學的技巧還有呈現的方法上有所不用而已。」

過去當學生時，他也常問自己「如何學以致用，學術如何與產業結合。」因此他特別重視實作，希望藉此讓學生從中思考並發掘真實有用的創意。無論是教學理論，或是做研究，他都會先確立其中的目標、目的，避免盲目地為了嘗試而做實驗。

對他而言，科學精神是一種冒險精神。科學和知識的開創是永無止盡的，同時，也代表對未知的持續探尋，而面對未知的時候，人難免因為害怕而裹足不前，此時，冒險精神變得特別重要。儘管會害怕，創新者，更要勇於冒險或嘗試，方能超越。尤其現今資訊取得方便，往往使人忽略對未知的探尋的重要性，也間接導致缺乏深度思考的過程，因此他期許現在的學生能勇於創新，莫忘科學精神即冒險精神。

「stay humble, stay hungry, stay foolish」是黃敬群教授的人生座右銘，他認為學無止境，但也提出自己最近的體悟，他提醒「持續學習乃持續成長的基石，但在知識的洪流中，學得多反而不如聚焦，懂得聰明選擇，培養正確判斷力或許更為重要。」



# Dr. Ching-Chun Huang: There Is No End to Learning and Be Bold in Making Innovations

Dr. Ching-Chun Huang has now returned to campus as a faculty member in the Department of Computer Science (CS) at National Chiao Tung University (NCTU). Graduated from the Department of Electronics Engineering, Dr. Huang completed his study at NCTU from undergraduate to doctoral degree. Although there were times when Dr. Huang was not sure about his career path, eventually he determined to dedicate himself to tertiary education at NCTU, the school he is most familiar with.

## Discovering his career path

Just like many graduates, there were times when Dr. Huang felt confused about his future. After graduating from graduate school, Dr. Ching-Chun Huang worked at one of the companies in Hsinchu Science Park, as many of his classmates did. Although he had a passion to pursue an academic career, Dr. Huang also did well on the job in the company. After working for 6 years, he found that he still had the passion for academia, thus Dr. Huang decided to go back to work to school to continue his doctoral degree. "My pursuit for the academic career was like a sprout coming from a seed," he said.

## He benefited from playing sports

Dr. Huang has been playing tennis since he was in university. Representing the NCTU tennis school team, he had participated many times in the Mei-Chu Tournament, an annual sports competition between National Tsing Hua University (NTHU) and National Chiao Tung University (NCTU). "Playing sports can help to improve many skills. For example, it can help you to see things more clearly by thinking about different aspects of life," Dr. Huang continued, "also it has a positive influence on your academic studies and career." He further explained by giving an example. "When competing with an opponent in a tennis field, it is necessary to adjust your strategies. You will also learn how to stay concentrated, make right judgments, be persistent, and cope with stress." These are all important abilities in a lifetime. Therefore, Dr. Huang would encourage all students to keep a habit of doing sports in their spare time. "It's good for you physically and mentally. While learning how to stay in a stable mood, it can help to create friendships."

## With different teaching strategies, he encourages students to be innovative

Dr. Ching-Chun Huang had taught at National Kaohsiung University of Science and Technology (NKUST) and National Chung Cheng University (CCU). He applies different teaching strategies for different student groups. During the time teaching in NKUST, he would introduce theory to students by doing experiments. In contrast, his students in NCTU are pushed to think in a more abstract way. He prefers those students to brainstorm ideas of combining theory and experiments by themselves. "Basically my principle is the same, it is just that I present it differently through my teaching techniques." When Dr. Huang was still a student, he often questioned himself about "how to apply knowledge into practical practices, and how to integrate academic studies and industry?" Thus, he practically sees the values for doing experiments. Through conducting the actual experiments, students are able to think more critically and innovatively. Also, Dr. Huang always sets up clear goals before teaching and doing research to avoid meaningless trials

For Dr. Huang, having a scientific spirit is like taking an adventure. There is always more to explore in science and knowledge. At the same time, it means we need to keep exploring the unknown. However, people might feel afraid to step forward in many cases. Dr. Huang suggests the only way we can move on is to be curious and adventurous about acquiring knowledge. In his opinion, we are living in a generation that is very convenient to find information online. As a result, people become demotivated to take time to explore new things, which is a very important process to learn critical thinking. Therefore, he encourages students to be innovative and adventurous.

"Stay humble, stay hungry, and stay foolish" is Dr. Huang's motto. He thinks learning is an endless road. Finally, he also said to all students in the Computer Science Department, "it is important to select your choices wisely. Remember to focus on the field you want to learn and to make the right judgments in the world of knowledge."