吳俊峯老師：堅持夢想，永不放棄

文／鍾乙君

資訊學院今年迎來了一位資歷豐富且充滿熱情的新進教授——吳俊峯教授。吳教授自小立志於科學研究，成長於資訊教育的氛圍中，並在多年學術探索中深耕於系統設計與軟體開發領域，累積了豐富的教學與研究經驗。作為一位教學熱忱滿滿的學者，吳教授加入學院後，將為資訊學院注入新的視野與活力，並致力於引導學生探索自我、發展個性化的學習之路。

早期啟蒙：家庭影響與興趣探索

吳俊峯教授的資訊之路可追溯至童年，他自小受到父親的影響，對科技產生濃厚興趣。吳教授回憶，儘管當時的資訊技術並不像今天普及，他仍從自學數學、物理，閱讀科學家傳記中汲取靈感，渴望成為如同牛頓般的科學家。到了高中，吳教授首次接觸程式語言，逐步開始探索資訊科學的奧妙，並在大學階段決心專攻資訊工程。此後，他始終秉持著對知識的熱情與對教學的堅持，投入到學術研究的長期目標中。

深耕學術：系統設計與軟體研究的探索之旅

吳俊峯教授的學術旅程中，系統設計和軟體研究佔據了關鍵的位置。他自碩士階段起就選擇系統設計作為主要研究方向，並且抱持著挑戰自我的態度，深入探索資訊工程中這個相對複雜且需要扎實基礎知識的領域。談及選擇系統設計的契機，吳教授坦言，這段研究歷程充滿了未知和困難，但也正因如此讓他獲益匪淺。

最初的探索起於碩士班時期，那時軟體和網路技術蓬勃發展，IoT（物聯網）及車載網路等新興領域備受關注。然而，吳教授並沒有順應潮流選擇熱門的網路技術，而是抱持著「補足短板」的決心，選擇了系統設計這個相對冷門的領域。他在早期的研究過程中接觸到大型系統設計，不僅需要精湛的編程技術，更要對系統運作的邏輯和架構有深刻理解。吳教授花費兩年時間熟悉和掌握系統研究的核心技術，並逐步在這方面建立了紮實的知識基礎。他坦言，這段時間的系統學習不僅是技術的突破，也為他日後的學術研究打下了穩固的基石。

在系統設計研究的道路上，吳教授遇到過無數挑戰。他指出，系統設計的複雜性在於其涉及多層級的技術整合，包括硬體架構、軟體程式以及操作系統的運行邏輯。當時的資源有限，他必須在有限的條件下完成複雜的系統設計課題，並在學術文獻中尋找突破的路徑。他在這段研究中體悟到，系統設計需要的不僅僅是技術能力，更需要細緻的觀察力和堅定的耐心。這些經歷成為他日後在教學和科研中所倚重的資產，也讓他對資訊工程中的「系統思維」有了更深層的理解。

隨後的博士研究期間，吳教授進一步深入軟體與系統整合的研究。他選擇了一個長期難題：如何在現有系統架構上達到最佳的軟硬體協同效果，並提高系統穩定性與效率。這是一項需要耐心、創意和堅韌的研究，他花費數年時間設計並測試不同的軟體架構，以找到能最佳適應未來需求的系統方案。吳教授認為，系統設計領域的研究不僅涉及技術創新，更重要的是深層的問題解決思維。他在研究過程中多次遇到瓶頸，但始終堅信「系統的價值在於實踐中的解決方案」，這種以實際需求為導向的研究態度讓他在系統設計研究中取得了顯著成就。

在博士後研究階段，吳教授前往國外頂尖大學進行深造和合作研究。他表示，國外的系統研究氛圍不僅講求技術創新，還極為重視跨領域合作。在國外期間，他與多位來自不同專業的學者合作，進一步拓展了系統設計的應用層面，並以此提升自己對系統研究的視野和理解。他分享道，在國外的學習讓他深刻體驗到不同的學術文化，尤其是「學生帶動老師」的研究模式。在這樣的氛圍下，師生間共同努力解決實際問題，讓研究更具動力和方向性。他相信，這樣的經驗不僅拓寬了自己的技術視野，也帶給他在教學中的新靈感。

如今，吳俊峯教授回到台灣的資訊學院，將其多年來在系統設計和軟體整合的累積經驗傳授給新一代學生。他堅信，系統設計不僅是一門技術，更是一種全面性和精確性的思維訓練。他希望通過教學讓學生具備紮實的基礎知識，並能夠在研究和實踐中靈活運用。吳教授的系統設計之旅，展現了學術研究中的不懈探索精神，也啟發著學生如何在學習過程中找尋屬於自己的專業道路。

教學理念：自我探索與個性發展的指引

吳俊峯教授不僅是一位深耕學術的研究者，也是一位熱忱教學的老師。他認為，教學的核心不僅是知識傳授，更重要的是幫助學生在學習過程中發現自我，找尋真正的興趣。他希望藉由自己的經歷，幫助學生在學術或職涯方向上做出更清晰的判斷，而不是僅僅追隨潮流或其他人的選擇。

針對自己的實驗室經營，吳教授強調「自我探索」的重要性，他希望學生們在兩年學習期間能更深入地了解自己的個性、興趣和適合的發展方向。他認為，與其追逐熱門的專業或公司，不如以真實的自己去選擇合適的學習和職涯路徑。這種重視個性發展的教學風格深受學生喜愛，也讓他與學生建立了親近而信任的互動。

堅持夢想，永不放棄

在專訪結束時，吳教授談到了他一生信奉的座右銘：「永不放棄」。他分享了自己在求學與工作過程中的挫折與挑戰，但始終堅信「成為教授」的夢想。他認為，無論走哪條路，對於目標的堅持和對自身信念的執著都是成功的關鍵。吳教授的經歷和教學理念無疑為資訊學院注入了新思維與活力，相信他的加入將會啟發更多年輕學子勇於探索、堅持夢想。最後，讓我們一同歡迎吳俊峯教授加入資訊學院，也期待他在教學與研究上不斷突破，帶領學院邁向更光輝的未來！

Professor Chun-Feng Wu: Pursue Dreams Unwaveringly, Never Give Up

The College of Computer Science is excited to welcome a new professor this year who brings extensive experience and a deep passion—Professor Chun-Feng Wu. Professor Wu has been devoted to scientific research since childhood. Growing up in an environment immersed in information technology education, he has spent many years in academic exploration, specializing in system design and software development, while accumulating extensive experience in both teaching and research. With a profound passion for education, Professor Wu will bring fresh perspectives and energy to the college. He is committed to helping students discover their potential and create personalized learning paths.

Family Influence and Interest Exploration

Professor Wu's passion for information technology began in childhood, and he was influenced by his father and had an early fascination with technology. Although computer science was not as widespread at that time, he found inspiration through self-study in mathematics and physics, as well as by reading biographies of renowned scientists, thereby fueling his aspiration to become a scientist like Newton. In high school, Professor Wu was introduced to programming languages, which ignited his curiosity in computer science and led him to pursue a degree in the subject. Throughout his academic journey, he has remained dedicated to his passion for knowledge and teaching, with a long-term focus on advancing research.

Academic Pursuit: A Journey of Exploration in System Design and Software Research

System design and software research have been central to Professor Wu's academic journey. Since his master's studies, he has made system design his primary research focus. Driven by a self-challenging mindset, he has thoroughly explored the complex field of computer science, which requires a solid foundation of knowledge. Reflecting on his decision to pursue system design, Professor Wu acknowledges that the path was fraught with uncertainties and challenges. However, it was these very obstacles that made the experience profoundly rewarding for him.

His initial exploration began during his master's studies, a time when software and networking technologies were rapidly developing, and emerging fields like IoT (Internet of Things) and automotive networks were gaining significant attention. However, Professor Wu did not follow the trend by choosing popular networking technologies; instead, with a determination to "fill the gap," he chose the relatively niche field of system design. During his early research, he delved into large-scale system design, which not only required excellent programming skills but also a deep understanding of the logic and architecture behind system operations. Professor Wu spent two years familiarizing himself with and mastering the core technologies of system research, gradually building a solid knowledge foundation in this area. He admits that this period of system study was not only a technical breakthrough but also laid a strong foundation for his future academic research.

Throughout his journey in system design research, Professor Wu encountered numerous challenges. He highlights that the complexity of system design arises from the need to integrate multiple layers of technology, including hardware architecture, software programming, and the operational logic of operating systems. With limited resources available at the time, he had to tackle intricate system design problems under constrained conditions, frequently turning to academic literature for insights and breakthroughs. This experience taught him that system design demands not only technical expertise but also sharp observational skills and unwavering patience. These lessons have since become invaluable assets in his teaching and research, enriching his understanding of "systems thinking" within Computer Science.

During his doctoral research, Professor Wu advanced his exploration of software and system integration. He tackled a long-standing challenge: how to optimize hardware-software collaboration within existing system architectures while improving system stability and efficiency. This endeavor required not only patience and creativity but also resilience. Over several years, he designed and tested a range of software architectures to identify solutions that would best meet future demands. Professor Wu asserts that research in system design goes beyond technological innovation; it demands a deep, analytical approach to problem-solving. Despite facing numerous bottlenecks, he remained committed to his belief that "the true value of a system lies in the practical solutions it offers." This practical, demand-driven mindset led to significant breakthroughs in his system design research.

During his postdoctoral research, Professor Wu traveled abroad to study and collaborate with leading universities. He observed that the research environment abroad not only emphasizes technological innovation but also strongly values interdisciplinary collaboration. During his time overseas, he worked with scholars from various fields, which broadened the application of system design and deepened his understanding of system research. He shared that his time abroad allowed him to immerse himself in different academic cultures, especially the research model where "students lead teachers." In this collaborative environment, professors and students work together to address real-world problems, infusing research with greater motivation and direction. He believes such experience not only expanded his technical knowledge but also inspired new ideas for his teaching.

Today, Professor Wu has returned to Taiwan and is teaching at the College of Computer Science, where he imparts his extensive experience in system design and software integration to the next generation of students. He strongly believes that system design is not merely a technical skill but also a discipline that fosters comprehensive and precise thinking. He hopes to provide students with a solid foundation of knowledge through his teaching, enabling them to apply it effectively in both research and practice. Professor Wu's journey in system design embodies the unwavering spirit of academic exploration and serves as an inspiration for students to discover their professional paths throughout their learning journey.

Teaching Philosophy: Guiding Self-Discovery and Personal Growth

Professor Wu is both a committed academic researcher and a passionate educator. He believes that teaching goes beyond the mere transfer of knowledge; its true essence lies in helping students discover their own identities and uncover their genuine interests throughout the learning journey. Drawing from his own experiences, he hopes to guide students in making informed decisions about their academic and career paths, rather than simply following trends or the choices of others.

In managing his laboratory, Professor Wu places a strong emphasis on the importance of "self-exploration." He encourages students to use their two years of study to gain a deeper understanding of their personalities, interests, and the career paths that best align with their strengths. Rather than pursuing fleeting trends or following the crowd, he believes students should focus on finding educational and professional paths that reflect their true selves. This focus on personal growth has made his teaching style particularly popular among students, fostering a close, trusting relationship between him and those he mentors.

Pursue Dreams Unwaveringly, Never Give Up

At the end of the interview, Professor Wu shared the guiding motto that he has lived by: "Never give up." He reflected on the setbacks and challenges he encountered throughout his academic and professional journey, yet remained steadfast in his pursuit of his dream of becoming a professor. He firmly believes that, regardless of the path, success is rooted in perseverance and a strong belief in oneself. Professor Wu's experiences and teaching philosophy have undeniably brought fresh perspectives and energy to the College of Computer Science. His presence will undoubtedly inspire more students to boldly explore their potential and pursue their dreams. Finally, let us warmly welcome Professor Chun-Feng Wu to the College of Computer Science and look forward to his continued breakthroughs in both teaching and research as he leads the college toward a brighter future!