

# Together, we are Greater.



個人很榮幸擔任交大資訊學院院長。從民國49年設立國內第一個計算機研究學程算起，交大投入資訊領域迄今已60年，在所有師生努力下，於國內外已有舉足輕重之地位。感謝所有教職員生過去的辛勞付出，也期勉我們新的行政團隊能在前人的基礎上，接棒開展未來。

本院不僅全台最大，放眼亞洲，規模也是數一數二之資訊學院。本院師資豐沛，擁有全國最充裕的研究能量，在國內外已獲得不少具體研究成果，本期報導包括陳添福副院長成立之「人工智慧系統檢測中心」，協助台灣產業未來在人工智慧領域能夠更加速的發展；與我個人所帶領的團隊，研發出之5G開源核心網路軟體「free5GC」。未來更多本院教授亮眼的研究表現皆將收錄在本刊物中。

除了學術研究外，大學最重要的是教育與啟發學生。我們不只是培養工程師或高級研發人員，更是培育具世界觀之專業領導人才。本期完整介紹院內推行創新資訊工程教育及跨領域專題之現況。本院課程經過數次翻新後，資訊專業課程之教育已相當具國際競爭力，並且朝向加強跨

領域學習，培育獨立思考及執行能力之人才。

資工系友傑出表現亦是報導焦點之一。首先，恭喜創為精密材料股份有限公司董事長趙書華學姐與華威國際集團營運長蔡士傑學長榮獲交大出校友榮譽。他們在產業界努力耕耘及提攜後進的精神，他們的人生經歷與故事，都是學弟妹最佳學習典範。

台灣現階段正處於產業轉型及提升的關鍵點，交大與陽明自110年2月1日起將合併為「國立陽明交通大學」，兩校原各自發展的醫療與電子資訊兩大強項，合併後雙方學術互補，本院除了延續既有優良傳統外，我們將開展更多跨領域及國際合作。未來發展，期許我們成為世界一流、有影響力之資訊學院，成為台灣高教的新典範。

資訊學院院長

陳志威

2020.9.30

# Together, we are Greater.

It is truly an honor to serve as dean of the College of Computer Science, National Chiao Tung University (NCTU). Since the first computer research program was founded, NCTU has been devoted to the field of computer science over the past 60 years. Thanks to all faculty members and students for outstanding performance, we brought College of Computer Science to this leading position both domestically and internationally. The hard work you have done deserves all my appreciation. May our new administrative team continue to work with such an approach and best wishes for the times ahead.

Being one of the largest colleges of computer science in Asia and the largest college in Taiwan, our college possesses a large number of faculty with outstanding research capability, and have many impressive achievements at home and abroad. The feature stories in this issue include "AI System Benchmarking and Tuning Lab", founded by Dr. Tien-Fu Chen, Associate Dean, College of Computer Science. The goal of the lab is to accelerate the pervasive applications on Artificial Intelligence technology among industries in Taiwan. Moreover, "free5GC" developed by my team is the first open-source 5G core network in the world. There will be more brilliant research achievements published in this magazine in the future.

In addition to academic research, another primary goal of universities is to educate and inspire students. We not only train engineers or senior R&D developers, but also nurture professional leaders with a global vision. The current issue introduces the latest update of innovative computer engineering education and interdisciplinary programs in the College of Computer Science. With several iterations of curriculum revisions, our college offers a solid core of computer science courses to help students build up the global competitiveness. In the meantime, our curriculum also encourages students towards interdisciplinary study to

cultivate independent thinking and nurture leadership potential.

The outstanding alumni is one of the feature stories in this issue. First of all, I would like to congratulate Mrs. Lillian Chao, President of Apex Material Technology Corp., and Mr. Jack Tsai, Chief Operating Officer of The CID Group, for winning the honor of Outstanding Alumni Award, NCTU. Their stories, especially the spirit of dedication towards work, and mentoring young employees, will be the best models for young students.

Taiwan is currently at the pivotal moment for industrial transformation and improvement. National Chiao Tung University will be merged with National Yang Ming University to become "National Yang Ming Chiao Tung University", Feb. 1st, 2021. Two major specializations, medical education programs and electronic / computer science programs, which are originally developed by the two universities, will create the most synergy by the academic integration and collaboration after the merger. In addition to continuing to build on our culture, we will extend more interdisciplinary and international collaboration. Within the foreseeable future, I expect our college will be a world-renowned college with significant impact and a new role model of higher education in Taiwan.

Dean of the College of Computer Science

2020.9.30