推動跨校區合作平台
文／秘書處公共關係組

陽明交大成立『資訊學院跨校區合作推動辦公室』

　　國立陽明交通大學資訊學院 8 月 1 日於陽明校區正式成立『資訊學院跨校區合作推動辦公室』，負責推動資訊學院與陽明校區各醫學領域相關院、系、所、研究中心，以及各教學醫院跨領域之合作。

　　陽明交大林奇宏校長表示，利用先進資訊技術應用在醫療服務上已是國際重要趨勢，而未來智慧醫療產業也需要借助更多的數位科技導入，才能大幅提升醫療及人的生活品質。『資訊學院跨校區合作推動辦公室』肩負起鏈結交大校區與陽明校區原有的資訊與醫療兩大領域之重責大任。首要任務為建立共同工作的合作環境與平台，以落實在學術研究、教學及服務三方面。

　　『資訊學院跨校區合作推動辦公室』主任、資訊學院施仁忠副院長表示，在橋接資訊與醫療相關領域合作的任務之下，目前具體的推動項目包含「建立學術研究合作管道」、「推動教師合作研究計畫」、「規劃跨域學程與師資」、「共同指導學生專題、碩、博士論文」、「共同發表學術論文」、「加強資訊學院與本校各教學醫院之合作」、「協助提昇社區醫療服務的智慧化」六大項目。現階段已規劃了資工系與醫學系的雙聯學程，未來也將與護理學院共同推動雙聯學程。

　　在「推動教師合作研究計畫」下，已有資工系曾新穆教授跟醫務管理研究所推動運用人工智慧進行病患發生疾病的預警與照護之研究；資工系荊宇泰、蕭子健、胡毓志教授跟台北榮總高齡醫學中心，也應用 VR 及光電測量技術評量高齡長者認知、肌力等參數；資工系施仁忠教授跟台北榮總乳房醫學中心則運用 VR 技術進行病患術前預估及術後評量等研究，陸續展開了跨領域的研究。

　　『資訊學院跨校區合作推動辦公室』的揭牌儀式，於 9/6（一）上午 10:00 於線上舉辦，期盼藉由跨校區合作推動辦公室的成立，創造更多充份合作機會，發揮一加一大於二的綜效。

CCS Establishes the Promotional Office for Cross-Campus Collaboration

The College of Computer Science (CCS) of National Yang Ming Chiao Tung University establishes "CCS Promotional Office for Cross-Campus Collaboration" at Yang Ming campus on August 1, 2021. The office is in charge of the cross-field collaboration of the college of Computer Science with related colleges, departments, institutes, and research centers in medical fields at Yang Ming Campus, as well as teaching hospitals.

According to President Chi-Hong Lin, applying advanced information technology in medical services has become a major international trend; moreover, by adopting more digital technology, the smart medical industry in the future can greatly improve the quality of medical care and the quality of life. "The CCS Promotional Office for Cross-Campus Collaboration" carries the great responsibility of linking the original computer science and medical fields at Chiao Tung University campus and Yang Ming campus. The primary task is to create a collaborative atmosphere and build up a collaboration platform for the best practices on academic research, teaching and services.

Zen-Chung Shih, director of "CCS Promotional Office for Cross-Campus Collaboration" and associate dean of the College of Computer Science, said that with collaborations between computer science and medical fields, the current promotion projects, comprising six major tasks, include "establish collaboration channels in academic research", "promote joint research projects for faculty", "design cross-disciplinary programs and arrange faculty resources", "co-direct a project, a thesis or a dissertation", "co-authorship of journal articles", "strengthen the cooperation between the College of Computer Science and teaching hospitals at NYCU", and "assist to improve the smart medical services in community". Currently, the dual degree program between the Department of Computer Science and the Department of Medicine has been developed. The similar program with the School of Nursing will also be developed in the near future.

In the task of "promote joint research projects for faculty", cross-field research has been successively carried out. Professor Vincent S. Tseng of the CS department has spearheaded the initiative to bring artificial intelligence into the research of early warning and care of patient deterioration with the Institute of Hospital and Health Care Administration. Professor Yu-Tai Ching, Professor Tzu-Chien Hsiao, and Professor Yuh-Jyh Hu of the CS Department use VR and photoelectric measurement technology to evaluate an older person's cognition and muscle strength with Taipei Veterans General Hospital Center for Geriatrics and Gerontology; in addition, Professor Zen-Chung Shih of the CS Department also applies VR technology to perform preoperative assessment and postoperative evaluation with Comprehensive Breast Health Center at Taipei Veterans General Hospital.

The inauguration ceremony of the "CCS Promotional Office for Cross-Campus Collaboration" was held online at 10:00 am on 9/6 (Mon.). We hope that the establishment of this office will facilitate cross-campus collaborations, through which the synergy between campuses can exert a substantial impact.