

科大與基督教靈實協會展開研究合作

香港科技大學(科大)與基督教靈實協會(靈實)於今日簽署合作備忘錄，共同發展新科技以提高長者及護理人員的生活質素。

是次合作是通過結合科大的科研實力與靈實在長者護理及服務的豐富經驗，研製並應用「樂齡科技」，以應對人口老化所帶來的挑戰。這次合作亦會協助解決本地樂齡科技界別發展所面對的主要困難，加強大學、研究機構、非政府組織和政府部門之間的合作，完善樂齡科技產品相關測試平台¹，促進香港創科發展。

在今次的合作中，科大將會特別為靈實服務的使用者設計方案及產品，改善長者及護老者的生活質素；而靈實亦為科大提供新技術測試平台。雙方現就七個項目進行商討，包括針對中國人口阿爾茲海默症遺傳風險因子的研究用於發展有效診療策略；基於 3D 實時臉部識別技術檢測心理及生理疾病；陪伴長者並實時監測其情緒狀況及壓力水平的「虛擬治療師」；園境空間對長者心理質素影響的量化研究；用於淨水殺菌及防止疾病傳播的小型脈衝電場殺菌裝置；自動化裝置用以優化靈實日常運作，包括送膳服務系統；以及用於後勤系統的自動導航的輪椅及車輛。

該備忘錄由科大副校長(研究及發展)葉玉如教授和靈實行政總裁林正財醫生簽訂，並由科大校長史維教授、科大顧問委員會榮譽委員兼靈實董事會名譽主席鄭漢鈞博士、以及協助促成是次合作的西貢區議會主席吳仕福博士，與科大健康、安全及環境處處長兼靈實董事會主席關繼祖教授見證。其他科大教員、靈實管理同工及社區代表亦有出席今日於科大校園所舉行的儀式。

林醫生對於這一合作關係的建立感到欣喜：「科大和靈實有著共同目標，就是將研創科技應用於健康、社會服務及社區之中。希望透過兩間機構的合作，建立測試研創科技產品的平台，藉此起推進和示範作用，並鼓勵持份者之間的合作。」

葉教授表示：「可以與一所經驗豐富及具前瞻性的長者服務機構合作，我們感到非常興奮。是次合作將會提供一個難得的機遇，可以結合科大的創新科研及靈實的實際經驗，為提高長者及廣大社區的健康水平和生活質量做出貢獻。」

¹ 根據團結香港基金與香港社會服務聯會於 2017 年進行的「全港首個樂齡科技概況研究」

有關香港科技大學

香港科技大學 (www.ust.hk) 是國際知名的研究型大學，其科學、工程、商業管理及人文社會科學領域，均臻達世界一流水平。科大校園國際化，提供全人教育及跨學科研究，培育具國際視野、創業精神及創新思維的優秀人才。科大的研究於香港的大學教育資助委員會「2014 研究評審工作」獲得最多「世界領先」評級，亦於最新的《泰晤士高等教育全球年輕大學排名榜 2018》中排行第一，而科大的畢業生在 2018 年度的全球大學就業能力調查排名第 16 位，位列大中華院校之首。

有關基督教靈實協會

五十年代初，靈實創辦人司務道教士看見當時調景嶺難民的需要，透過贈醫施藥，幫助病患者。除了關注他們的身體需要外，司教士更著重他們的心理、社交和靈性方面的需要。時至今日，靈實的服務已發展至長者、健康、復康和福音事工，更致力關心服務使用者身、心、社、靈的發展，繼承司教士全人關懷的服務精神。

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科大副校長(研究及發展)葉玉如教授(前左)和靈實行政總裁林正財醫生(前右)簽署合作備忘錄。

Prof. Nancy IP (front left), HKUST Vice-President for Research and Development, and Dr. LAM Ching-choi (front right), HOHCS Chief Executive Officer sign the MOU.

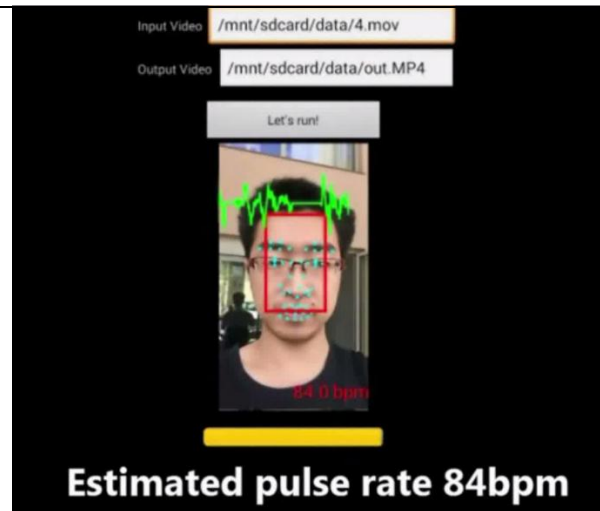


科大校長史維教授(左五)、科大顧問委員會榮譽委員兼靈實董事會名譽主席鄭漢鈞博士(左七)、西貢區議會主席吳仕福博士(右五)，與科大健康、安全及環境處處長兼靈實董事會主席關繼祖教授(右四)與一眾嘉賓見證雙方簽署備忘錄。

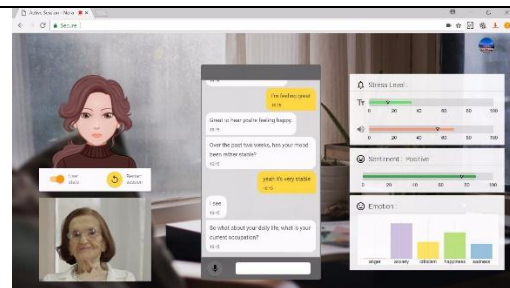
Prof. Wei SHYY, HKUST President (fifth left); Dr. CHENG Hon-kwan, Honorary Court

Member of HKUST and Honorary Chairman of Board of Directors of HOHCS (seventh left); Dr. NG Sze-fuk, Chairman of Sai Kung District Council (fifth right) and Prof. Joseph KWAN, Director of Health, Safety and Environment of HKUST and Chairman of Board of Directors of HOHCS (fourth right) witness the MOU signing.

Some of the projects under discussion 部分雙方正在商討的項目



3D 實時臉部識別技術
 Real-time 3D facial landmark recognition technology



虛擬治療師
 Virtual therapist



園境空間對長者心理質素影響的
量化研究

A study to quantify therapeutic
effects



小型脈衝電場殺菌裝置

Micro pulsed-electric field device

HKUST Signs MoU with Haven of Hope Christian Service to Forge Partnership and Collaboration on Research

The Hong Kong University of Science and Technology (HKUST) are joining forces with Haven of Hope Christian Service (HOHCS) to gain further understanding and to develop solutions that could improve the quality of life for the elderly and their caregivers. The two parties signed a Memorandum of Understanding (MoU) today to forge their partnership.

Combining HKUST's research competence and HOHCS' expertise and experience in healthcare and elderly services, the collaboration seeks to address the challenges brought by Hong Kong's ageing population, and promote the city's innovation and technological development, through application of gerontechnology. The collaboration also serves to address some major challenges of the local gerontechnology sector, such as lack of collaboration among academia, government and non-government organizations, as well as a lack of test beds for gerontechnology products².

Under the partnership, HKUST will aim to develop tailor-made solutions or products to meet the needs of HOHCS' service users, while HOHCS will offer a testing platform. Seven projects are now under discussion; a study on the genetic risk factors for Alzheimer's disease in the Chinese population for future development of diagnostics and therapeutics, a real-time 3D facial landmark recognition technology for early detection of mental and physical diseases; a virtual therapist that not only keeps the elderly company but also enables examination and monitoring of their emotional and stress levels; a study to quantify the therapeutic effects of garden spaces on the elderly; tap water disinfection by micro-PEF (pulsed-electric field) for prevention of water and droplet-borne diseases; a system that helps optimize HOHCS' operations such as meal delivery services; and auto-guided wheelchairs and vehicles for logistic transportation.

The MoU was signed by Prof. Nancy IP, Vice-President for Research and Development of HKUST, and Dr. LAM Ching-choi, Chief Executive Officer of HOHCS, with witnesses including Prof. Wei SHYY, HKUST President; Dr. CHENG Hon-kwan, Honorary Court Member of HKUST and Honorary Chairman of Board of Directors of HOHCS; Prof. Joseph KWAN, Director of Health, Safety and Environment of HKUST and Chairman of Board of Directors of HOHCS and Dr. NG Sze-fuk, Chairman of Sai Kung District Council who helped facilitate this collaboration. Other HKUST faculty members, HOHCS management staff and community representatives also attended the signing ceremony held on the HKUST campus today.

Addressing the audience, Dr. LAM Ching-choi expressed his delight on the formal establishment of the partnership. "HOHCS and HKUST shared the common goal of improving elderly's living quality by applying gerontechnology in health, social services and the community. Through our collaboration, we hope to set up gerontechnology testing platforms to serve as a role model to facilitate further cooperation amongst different stakeholders," Dr Lam said.

² According to "The First Landscape Study of Gerontechnology in Hong Kong" conducted by Our Hong Kong Foundation (OHKF) in partnership with Hong Kong Council of Social Service in 2017

Prof. Ip said, “We are excited to collaborate with one of Hong Kong’s most experienced and pioneering elderly care organization. By combining our scientific knowledge and expertise with HOHCS’ extensive care-giving experience, we hope to make a major impact on the health and well-being of the elderly and the wider community.”

About The Hong Kong University of Science and Technology

The Hong Kong University of Science and Technology (HKUST) (www.ust.hk) is a world-class research university that focuses on science, technology and business as well as humanities and social science. HKUST offers an international campus, and a holistic and interdisciplinary pedagogy to nurture well-rounded graduates with global vision, a strong entrepreneurial spirit and innovative thinking. HKUST attained the highest proportion of internationally excellent research work in the Research Assessment Exercise 2014 of Hong Kong’s University Grants Committee, and is ranked as the world’s best young university in Times Higher Education’s Young University Rankings 2018. Its graduates were ranked 16th worldwide and top in Greater China in Global Employability University Survey 2018.

About Haven of Hope Christian Service

In the early 50s, witnessing the desperate plight of the refugees in Tiu Keng Leng, Sister Annie Skau, the founder of Haven of Hope Christian Service helped untie their knots in lives by means of medical assistance. Not merely did Sister Annie care about their health, she endeavored to meet their psychological, social and spiritual needs. Nowadays, HOHCS has developed into a multi-services charitable organization offering medical, elderly, rehabilitation and services and evangelistic work. We make great efforts to enhance the physical, psychological, social and spiritual well-being of service users, in hope of sustaining the merits of holistic care inherited from Sister Annie Skau.

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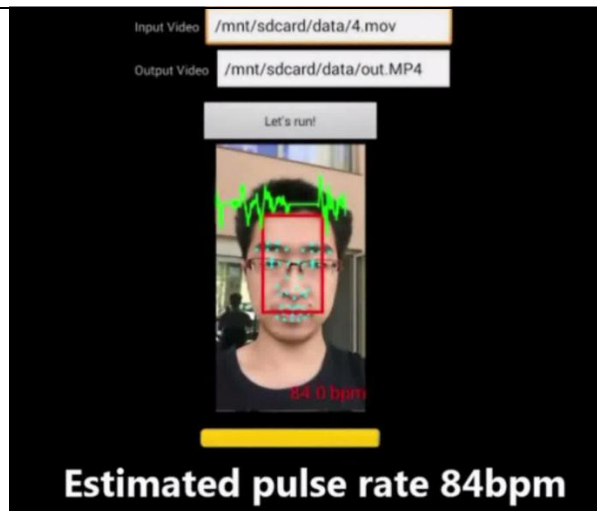
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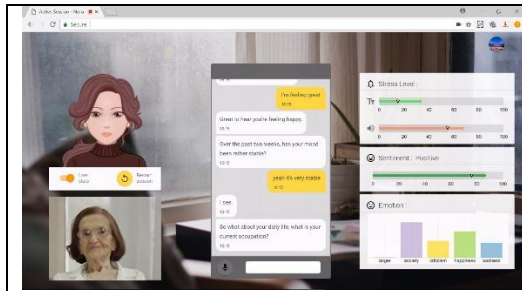
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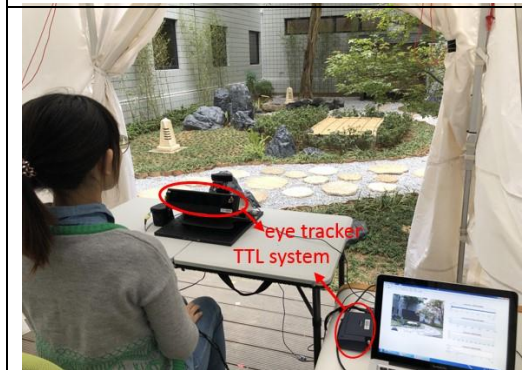


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