

Citation

Distinguished Engineering Alumni Award
For Professional Achievement and Contribution to Community

Dr. Jack LAU

PhD in Electrical and Electronic Engineering
Founder of Perception Digital
Adjunct Professor of Electronic and Computer Engineering



As the University celebrates its 35th anniversary, it is particularly fitting to recognize the pivotal role that alumnus Dr. Jack Lau has played in the stories of the School of Engineering and The Hong Kong University of Science and Technology (HKUST). Jack joined the fledgling HKUST in 1991, even before the Clear Water Bay campus officially opened, and set the pace early as the first PhD graduate of the then Department of Electrical and Electronic Engineering—and of the University overall—in 1994. Since then, his professional journey has evolved alongside the HKUST community to which he remains closely connected more than three decades later.

Growing up in Hong Kong during its manufacturing-driven development years, Jack developed an early curiosity about electronics. This interest was further shaped by his education and early exposure in the United States, at a time when Silicon Valley was emerging as a global center of technology and innovation. He went on to pursue undergraduate and master's degrees in Electrical Engineering and Computer Sciences at the University of California, Berkeley, where he received multiple scholarships, joined the Honors Program, and gained industry experience in the technology sector. He subsequently returned to Hong Kong to join HKUST during its formative years.

At HKUST, Jack thrived in the School of Engineering's dynamic academic environment. He published more than 40 papers, was named inventor on 20 US patents, and achieved several notable "firsts" for the University. His doctoral research on integrated magnetic sensors in bulk silicon and silicon-on-insulator (SOI) technologies led to the School's first patent. He subsequently established the Consumer Media Laboratory, which became an early platform for research and collaboration in digital multimedia and consumer technologies, spanning academic, industry, and government engagement.

In 1999, Jack co-founded Perception Digital with engineering colleagues Tsui Chi-Ying and Roger Cheng Shu-Kwan. An inaugural participant in the HKUST Entrepreneurship Program, the company pioneered factory-less electronic design and digital signal processing, with a focus on digital multimedia technologies. In 2009, Perception Digital became the first HKUST spin-off to be publicly listed, marking a significant milestone in the University's technology transfer and entrepreneurship journey.

Over this period, Jack received several external recognitions, including being named one of Hong Kong's Ten Outstanding Young Persons in 2000, receiving the Hong Kong Young Industrialist

Award in 2005, and the Ernst & Young Entrepreneur of the Year China Award in 2009. In 2010, he was also named a HKUST University Honorary Fellow, acknowledging his professional achievements and contributions to the University.

After stepping down from executive roles at Perception Digital in 2013, Jack continued his engagement with technology and innovation as a technology enthusiast, advisor, and investor. He has supported emerging ventures and founders in various advisory and investment capacities, and his most recent executive role was serving as President of the Qatar Science & Technology Park in Doha, Qatar, where he contributed to the development of the national innovation and entrepreneurship ecosystem. Alongside this, he remains active in community service and in 2025 joined the board of Ronald McDonald House Charities, which supports families with sick or injured children.

Jack has also made sustained contributions to the governance and development of HKUST. He served for six years as a member of the University Council, during which he chaired the International Advancement and Outreach Committee and supported fundraising, global engagement, and strategic initiatives. He was also a member of the founding committee of HKUST (Guangzhou) and today serves as an Advisor to the President of HKUST (Guangzhou).

Throughout these years, Jack has consistently contributed back to HKUST as an alumnus role model and educator. He continues to serve as an adjunct professor in the School of Engineering, teaching and mentoring students in areas including

design thinking, entrepreneurship, and applied artificial intelligence. He also co-started the HeadStart Program at HKUST, supporting student development through internships, mentorship, and fellowship opportunities. His enduring interests lie in artificial intelligence, entrepreneurship, and giving back to the community, values that continue to guide his professional and personal pursuits.

In recognition of his sustained professional achievements and long-standing contributions to HKUST and the wider community, the School of Engineering is proud to honor Dr. Jack Lau with a HKUST Distinguished Engineering Alumni Award.

讚辭

傑出工程校友獎：
專業成就及對世界的貢獻

廖家俊博士

哲學博士(電機及電子工程學)
幻音數碼控股有限公司創始人
電子及計算機工程學系客席教授



適逢香港科技大學35周年校慶，我們此時表揚工學院一位特別的校友，意義非凡。無論是講述本校或本院的歷史，這個名字皆不可或缺——廖家俊博士。早在清水灣校舍尚未正式啟用之前，廖博士已於1991年入讀新成立的科大。1994年，他成為電機及電子工程學系(前稱)以至全校的首名博士畢業生。三十多年來，他的事業生涯始終與母校緊密相連，一路同行。

廖博士成長於香港工業的黃金時代，自幼對電子學充滿好奇，探索其中的奧秘。年少時，他遠赴美國留學，正值矽谷崛起，成為世界高科技重鎮。耳濡目染之下，他考進了加州大學柏克萊分校，主修電機工程及計算機科學，先後取得學士和碩士學位。憑藉優異的學業成績，他屢奪獎學金、成功入選榮譽課程，並在當地知名科技企業獲取寶貴的實戰行業經驗。其後，廖博士決定回流香港，加入甫成立的科大從事研究。

在工學院的學術沃土上，他屢創佳績，包括先後發表逾40篇學術論文，並取得20項發明的美國專利，更創下校內多項「第一」的紀錄。其中他以矽塊材與絕緣層覆矽集成磁力傳感器為主題的博士論文，該項突破性發明為本院帶來首項專利。隨後在工學院任教期間，他成立了「消費類媒體

實驗室」，為多媒體數碼技術及消費科技提供嶄新的研究平台，有效促成該領域的官產學研究和合作。

1999年，廖博士與崔志英教授及鄭樹坤教授共同創辦「幻音數碼」，為「科大創業計劃」首批孵化的初創企業之一。該公司首創「無廠生產」的電子設計與數碼訊號處理模式，並專注於數碼多媒體技術。經過十載耕耘，幻音數碼於2009年晉身上市公司之列，成為首間由科大培育的上市公司，標誌著本校技術轉移與創業發展的重要里程碑。

隨著事業卓越發展，廖博士廣獲各界嘉許，包括當選2000年度「十大傑出青年」，並獲頒2005年度「香港青年工業家獎」、2009年度「安永企業家獎中國榮譽」等多項殊榮。2010年，科大授予他榮譽院士銜，以表彰他的傑出專業成就以及對母校的卓越貢獻。

2013年卸下幻音數碼的行政職務後，廖博士轉而以科技愛好者、顧問及投資者的角色推動創新。近年來，他積極支持新興企業與創業人士，並出任卡塔爾科技園園長，協助當地構建創新創業生態系統。此外，廖博士熱心公益，2025年加入

麥當勞叔叔之家慈善基金董事會，支援患病或受傷兒童及其家庭。

作為科大的傑出校友，廖博士對校政貢獻良多。擔任校董六年期間，他主持校董會轄下的拓展顧問委員會，為大學籌款、環球合作與推動策略項目不遺餘力。他亦曾任科大(廣州)創校委員會成員，現為該校校長顧問。

多年來，廖博士不僅是校友楷模，也是深受敬重的師長。目前，他以本院客席教授的身份，執教設計思維、創業、以及應用人工智能等課程，作育英才。他有份創立的「HeadStart卓越領先計劃」，透過提供實習機會、師友指導及學人計劃，全面栽培學生。廖博士對人工智能、創業精神及社會服務的熱忱，一直指引他的事業和個人追求。

工學院謹此頒授「傑出工程校友獎」予廖家俊博士，以表揚其卓越的專業成就，以及對母校乃至社會的非凡貢獻。