

HKUST Highlights
香港科技大學重點成果
2023-2024



The Hong Kong University of Science and Technology is a world-class research-intensive institution. With our focus on science, engineering, business, humanities and social science, and interdisciplinary studies, we inspire and nurture well-rounded talents with global vision, strong entrepreneurial spirit, and innovative thinking. In this handy annual highlight*, we would like to share with you facts and figures about our goals, achievements, and impact on society.

香港科技大學是一所世界級研究型大學。我們的教學範疇主要包括科學、工程、商業、人文及社會科學和跨學科，致力培育具備環球視野、創業精神及創新思維的全才。我們希望透過此簡便的冊子，總結年度重點成果*，與你分享科大的目標、成就及社會影響力等各方面的資料及數據。

* From July 1, 2023 to June 30, 2024.
由2023年7月1日至2024年6月30日。

Research Power 研究實力

Harnessing Innovation for Impact 引領創新，影響世界



Revolutionary Alzheimer's Disease Blood Test
革命性血液測試診斷阿爾茲海默症



Cementless EcoBrix
研發無水泥環保磚



Launch of Hong Kong's **1st**
Higher Education Satellite
發射香港高教界首枚衛星



Large Language Model for Financial Generative AI
開發金融相關生成式人工智能的大語言模型

Securing Robust Funding Support 成功獲取撥款支持研究項目

HK\$1.12 Billion

funding granted to **1,703 projects**
driving impactful research

獲得 **11.2 億港元** 資助開展 **1,703 個** 前瞻性研究項目



Top-tier Researchers 頂尖研究人員



According to Stanford University,

158 HKUST scholars

 are listed

among the **world's top 2%** most-cited scientists

根據史丹福大學統計，**158 位** 科大學者入選

全球前 2% 被引用最多的科學家名單

Leading Frontier Research Centers 領導前沿的研究中心

4 InnoHK Centers Led by HKUST:
個科大領導的InnoHK研發中心：



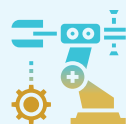
Hong Kong Generative AI Research and Development Center
香港生成式人工智能研發中心



Hong Kong Center for Neurodegenerative Diseases
香港神經退行性疾病中心



AI Chip Center for Emerging Smart Systems
智能晶片與系統研發中心



Hong Kong Center for Construction Robotics
香港智能建造研發中心

7 New Research Units Established:
個新成立的研究單位：



Space Science and Technology Institute
太空科學與技術研究所



Institute for Financial Research
金融研究院



Center for Tissue Regeneration and Engineering
組織再生與工程研究中心



Center for Theoretical Condensed Matter Physics
凝聚態理論物理中心



HKUST Absolute Pure EnviroSci Ltd. (APEL) Joint Laboratory on Health and Environmental Innovations
香港科技大學-AP環境科學健康與環境創新聯合實驗室



HKUST MetaX Joint Laboratory for Advanced AI Computing
香港科技大學-沐曦先進人工智能計算聯合實驗室



HKUST Li & Fung Supply Chain Institute
香港科技大學利豐供應鏈研究院

International Accolades 國際榮譽



A record-breaking **36** awards
garnered at the 49th International Exhibition
of Inventions Geneva
科大團隊於第49屆日內瓦國際發明展囊括**36**個獎項，
創下歷史佳績



More about HKUST's inventions at the
49th International Exhibition of Inventions Geneva
了解科大參與第49屆日內瓦國際發明展的創新發明

From Power of Knowledge to Entrepreneurial Success

知識轉移與初創企業發展



Leading in Knowledge Transfer 帶領知識發展



462 IP filed
項知識產權申請

386 IP granted
項知識產權授權

90 new IP utilized
項嶄新的知識產權獲使用

*As of October 2024
截至2024年10月



IP income exceeding
HK\$11.7M
知識產權收入超過**1,170**萬港元



585 out of 1,894 patents owned by
HKUST utilized (31%)
科大1,894項專利之中**585**項已獲應用(佔31%)



261 invention disclosures
項發明披露



A record of **199**
active license agreements
199份在效的授權協議，持續影響業界

Seedbed for Fast-Growing Entrepreneurship 孕育創業家的搖籃



1,815 active start-ups
間活躍初創公司



16 successful exits (IPO or M&A)
間成功退場的公司(上市集資或被併購)

*As of November 2024
截至2024年11月



10,000+
teams participated in the HKUST One Million
Dollar Entrepreneurship Competition since 2011
自2011年起，參加科大百萬獎金創業大賽團隊
已逾**10,000**隊

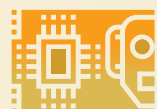
*As of December 2024
截至2024年12月



10 Unicorns
間獨角獸企業

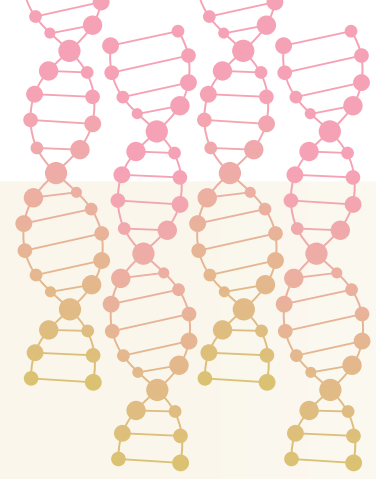


HK\$500M
Establishment of HKUST Redbird Innovation Fund
成立**5**億港元紅鳥創新創業基金



100 cutting-edge technologies
showcased in Unicorn Day 2024
2024科大獨角獸日展示**100**項尖端科技

Talent Incubator 人才培育



Introduction of Innovative Academic Programs 推出創新學術課程



Academy of Interdisciplinary Studies exploring emerging areas
跨學科學院探索新興領域



Division of Arts and Machine Creativity – a pioneering initiative in Hong Kong
成立香港首個藝術與機器創造力學部



MSc in Drug Regulatory Affairs and Policy focusing on biomedical research and medical care
藥品監管事務及政策理學碩士課程
專注生物醫學研究與醫療保健



MSc in Chemical and Energy Engineering fostering sustainability innovation
化學工程及能源工程學碩士課程
促進可持續發展創新



Cross-campus learning opportunities in Clear Water Bay and Guangzhou
香港清水灣和廣州跨校園學習機會

Holistic Education Endeavors 全人教育

Global Reach 環球連繫



Around **1,100** undergraduates sent for outbound exchanges,
730 inbound students

約 **1,100** 名本科生參與海外交流
及 **730** 名海外學生來港交流

Financial Support 財政支援



HK\$10M in bursaries and loans provided to students in need
為有需要學生提供 **1,000** 萬港元
助學金和貸款

Scholarship Funding 獎學金資助



HK\$122.8M scholarship funding awarded to
2,751 excellent students

頒發 **1.228** 億港元獎學金
予 **2,751** 名優異學生

Career Development 就業發展



Enhanced employability skills for **8,000** students through diverse development programs
透過多元化發展計劃，
提升 **8,000** 名學生的就業技能

Global Recognition 享譽全球



University Rankings 大學排名

World 全球

#3 World's Top 600+ Young Universities
Times Higher Education Young University
Rankings 2024
2024《泰晤士高等教育》全球頂尖600+所年輕大學排名榜

#47 World's Top 1,500+ Universities
QS World University Rankings 2025
2025《QS全球大學排名》世界頂尖1,500+所大學排名榜

#66 World's Top 2,000+ Universities
Times Higher Education World University
Rankings 2025
2025《泰晤士高等教育》全球頂尖2,000+所大學排名榜

Asia 亞洲

#11 Asia's Top 900+ Universities
QS Asia University Rankings 2025
2025《QS亞洲大學排名》亞洲頂尖900+所大學排名榜

#12 Asia's Top 700+ Universities
Times Higher Education Asia University
Rankings 2024
2024《泰晤士高等教育》亞洲頂尖700+所大學排名榜

Programs and Fields 課程與學科

#1 Data Science and Artificial Intelligence in
Hong Kong and Greater China, **#3** in Asia,
#10 in the world
QS World University Rankings by Subject 2024
數據科學及人工智能排名全港及大中華區**#1**、
亞洲**#3**、全球**#10**
QS全球大學分科排名2024

#1 Computer Science in Hong Kong,
#4 in Greater China, **#6** in Asia
Times Higher Education World University
Rankings by Subject 2024
計算機科學排名全港**#1**、大中華區**#4**、亞洲**#6**
泰晤士高等教育全球大學分科排名2024

#1 Engineering subject in Hong Kong,
#5 in Greater China, **#8** in Asia
Times Higher Education World University
Rankings by Subject 2024
工程學排名全港**#1**、大中華區**#5**、亞洲**#8**
泰晤士高等教育全球大學分科排名2024

Employability 畢業生就業能力

#1 in Hong Kong, **#3** in Greater China, **#24** in the world Global University Employability
Ranking 2025 produced by Emerging and published by Times Higher Education
2025年全球大學畢業生就業能力排名全港**#1**、大中華區**#3**、全球**#24**
由人力資源顧問公司Emerging於《泰晤士高等教育》發布

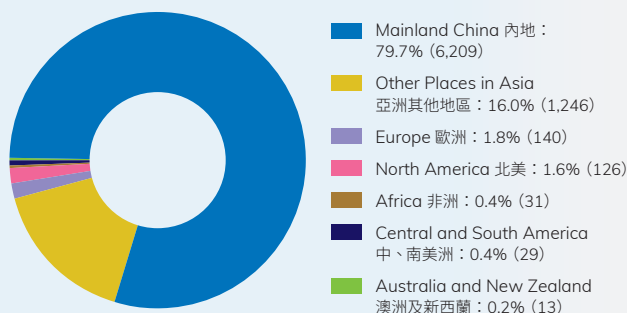


More university-wide rankings
更多大學排名

International Community 國際社群

Students 學生

Non-local students
come from **77** countries and regions[#]
非本地生來自 **77** 個國家及地區[#]

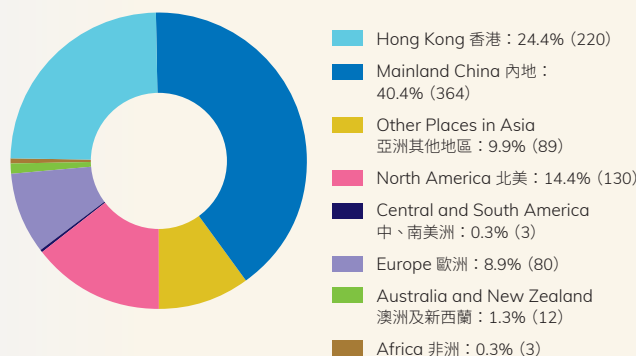


[#] As of October 2023
截至2023年10月



Faculty 教員

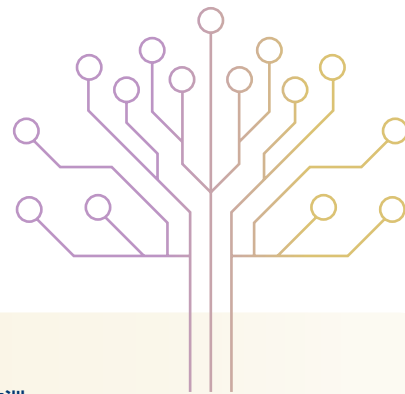
75.6% from outside Hong Kong[^]
來自香港以外的國家及地區[^]



[^] As of Jun 30, 2024
截至2024年6月30日

Spurring Growth and Competitiveness

擴展實力 驅動成長

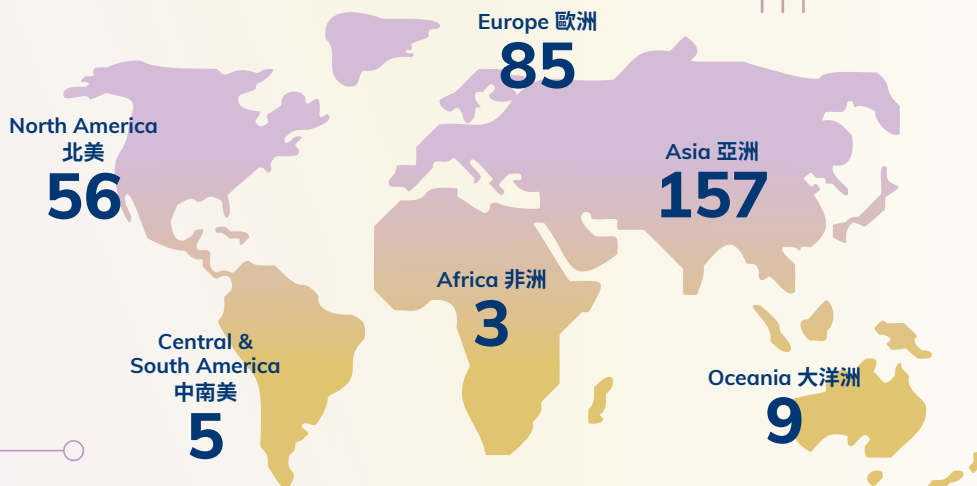


Global Engagement 聯通全球

315

active global institutional academic and research partnerships

與315家學術及研究機構結成合作夥伴，遍布全球



HKUST served as Asian Universities Alliance (AUA) **Executive President for 2023-2024**

科大擔任亞洲大學聯盟2023-2024年度執行主席單位



Hosted **130+** delegations of government officials and academic partners from various regions
接待逾130個來自世界各地的政府和學術夥伴代表團



HKUST was elected **Chair of Association of East Asian Research Universities (AEARU) for 2024-2025**

科大獲東亞研究型大學協會推舉為2024-2025年度協會主席

Greater Bay Area Milestones 大灣區里程碑



Expanded **HKUST Fok Ying Tung Research Institute (FYTRI)**, recognized as a provincial-level university science and technology park

科大霍英東研究院擴建並獲評為省級大學科技園



China National Accreditation Service for Conformity Assessment granted laboratory accreditation to FYTRI

科大霍英東研究院檢測實驗室獲得中國合格評定國家認可委員會實驗室認可證



Establishment of the **RMB200 million Guangzhou Redbird Set-sailing Fund**

設立2億元人民幣的廣州紅鳥啟航基金

Sustainability Leadership 引領可持續發展



Ranked **#1** in **Hong Kong and Mainland China** and **#19** **Worldwide** in **THE Impact Rankings 2024**

for its significant contributions to SDGs 9 (industry, innovation and infrastructure), 11 (sustainable cities and communities), and 12 (responsible consumption and production)
榮膺泰晤士高等教育《大學影響力排名2024》全港**第一**及全球**第19位**，在建設強韌基建及工業，加速創新(SDG 9)、推動可持續城市發展(SDG 11)和負責任消費與生產(SDG 12)的貢獻最為突出

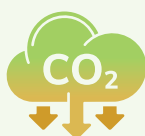
Eco-design Excellence 卓越設計突顯環保理念

A model for **net-zero carbon** building, the award-winning Shaw Auditorium exemplifies HKUST's commitment to sustainability
屢獲殊榮的逸夫演藝中心是零碳建築的典範，體現了科大對可持續發展的堅定承諾



2028 Sustainability Challenge 2028可持續發展挑戰

Progress and Performance 進度及表現 (2014-15 as baseline 以2014-15為基線)



Greenhouse Gas 溫室氣體

↓34%
≈ 40,466 ton CO₂-e
噸二氧化碳排放量



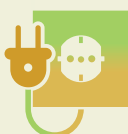
Recyclables 廢物回收

↑860%
≈ 1,093 ton 噸



Trash 垃圾

↓47%
≈ 1,752 ton 噸



Electricity 耗電量

↑3.9%
≈ 96,709,341 kWh 千瓦小時
(due to construction of new buildings 由於興建新建築物)



Water 用水量

↓10%
≈ 463,486 m³ 立方米



Food Waste Recycling 廚餘回收

↑14,221%
≈ 408 ton 噸

Green Campus Initiatives 綠色校園行動



Electric Vehicle Parking Space
支援電動汽車泊車位

30%
of campus parking spaces now equipped with charging capability
校園內**30%**泊車位現已配備充電功能



Sustainable Landscaping
可持續美化環境

Chemical fertilizers for campus grounds were replaced with an **organic material**
校園土壤使用**有機肥料**取代化學肥料



Learn more about the HKUST "2028 Sustainability Challenge"
了解更多科大「2028可持續發展挑戰」的詳情