



香港中文大學  
The Chinese University of Hong Kong



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## Press Release

For Immediate Release

### **CUHK Robotics Open Day and Collaboration Agreement Signing Ceremony with HKSTP, Lenovo and HKCLR**

- CUHK Robotics Open Day showcased more than 30 cutting-edge robotics innovations and novel projects by the CUHK Robotics Team, start-up companies and InnoHK.
- Today, HKSTP, Lenovo Group and CUHK's Hong Kong Centre for Logistics Robotics (HKCLR) also signed a collaboration agreement to co-incubate young talents in robotics and AI technologies.
- This collaboration aims to accelerate the pace of technology transfer and commercialisation of world-class R&D outcomes including cutting-edge robotics technologies, thus enhancing Hong Kong's innovation and technological development.

**(Hong Kong, 27 July, 2023)** - The Chinese University of Hong Kong (CUHK)'s T Stone Robotics Institute (CURI) joined hands with Hong Kong Science and Technology Park Corporation (HKSTP) to organise the CUHK Robotics Open Day at HKSTP today (27 July), showcasing its leading innovations to the public. HKSTP, Lenovo Group and CUHK's Hong Kong Centre for Logistics Robotics (HKCLR) also signed a collaboration agreement to co-incubate young talents in robotics and AI technologies. The event aims to strengthen the University's cooperation with the government, industry, investment and academic sectors, and enhance Hong Kong's innovation and technological development. It is also part of the celebrations marking CUHK's 60<sup>th</sup> anniversary.

Officiating guests at the opening ceremony include Professor John Chai, Council Chairman of CUHK, Ms Lillian Cheong, Under Secretary for Innovation, Technology and Industry, Mr Albert Wong, Chief Executive Officer of HKSTP, Dr Zhong Yueyang, Director of T Stone Group Limited, Professor Sham Mai-har, Pro-Vice-Chancellor of CUHK, and Professor Liu Yunhui, Director of CURI and HKCLR.

CUHK Council Chairman Professor John Chai thanked the T Stone Group Limited for the establishment of the T Stone Robotics Institute, and the HKSTP for co-hosting this meaningful event with CUHK, creating an excellent opportunity to share sweet fruits of the research endeavours of the talented CUHK community with its valued partners and supporters.

Under Secretary for Innovation, Technology and Industry Ms Lillian Cheong said that the government will be launching later this year the "Research, Academic and Industry Sectors One-plus Scheme" in a scale of 10 billion Hong Kong dollars. She looked forward to working with CUHK to accelerate the pace of technology transfer and commercialisation of world-class R&D outcomes including cutting-edge robotics technologies.

CUHK Pro-Vice-Chancellor Professor Sham Mai-har stated that CUHK is a leading robotics pioneer and keeps pushing the boundaries of technological advancement. The Robotics Open Day is an amazing



opportunity for CUHK to showcase and celebrate its incredible work, and for the public and the industry to witness and be inspired by robotics' endless possibilities.

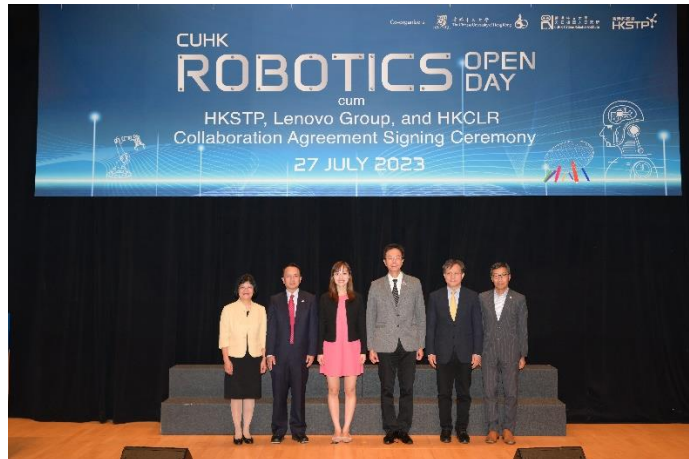
On the same day, HKSTP, Lenovo Group and HKCLR signed a collaboration agreement to cultivate and incubate the next generation of young scholars and entrepreneurs, and help them bring transformative breakthroughs to the world through robotics and AI technologies. Mr Albert Wong, Chief Executive Officer of HKSTP, Mr Michael Xue, Investment Director of Lenovo Capital Group and Incubator Group, and Professor Liu Yunhui, Director of HKCLR, signed the agreement on behalf of the three parties.

Mr Albert Wong, Chief Executive Officer of HKSTP, said that the collaboration is another example of their collective long-term mission to accelerate translation of great research into commercial success, and promote Hong Kong I&T and innovation talent.

Professor Liu Yunhui, Director of CURI and HKCLR said that since the CURI and HKCLR's establishment, they have trained many post-doctoral researchers and started up eight robotics companies, two of them have become global leaders in their respective fields. By organising the Open Day, they wanted to showcase their latest research outputs and explore collaboration with industry and venture capitals in research and commercialisation.

Professor George He, Senior Vice President of Lenovo Group and President of Lenovo Capital and Incubator Group, highlighted Lenovo's long-standing cooperation with Hong Kong's academic institutions. It will leverage its global industrial resources and work with CUHK and HKSTP to support the commercialisation of research outcomes in the robotics field and contribute to the development of Hong Kong as an international I&T hub.

CUHK showcased more than 30 cutting-edge robotics innovations during the open day. Major projects include the UAS and AI Technologies for Autonomous Built Asset Inspection and Management developed by Professor Chen Benmei, Professor in the Department of Mechanical and Automation Engineering; the Microrobotic Platform for Endovascular Intervention, which uses a nanorobot swarm and a magnetic actuation system, developed by Professor Zhang Li, Professor in the Department of Mechanical and Automation Engineering; Quadrupedal Robots: A New Last-mile Delivery Solution, featuring the robot Sirius, developed by Professor Liu Yunhui, Director of CURI and HKCLR, for efficient and stable delivery of packages; and TransCam 3D: World's First 3D Camera with the Ability to Reconstruct Transparent Objects, developed by DepthVision Limited. Also at the exhibition are novel projects from the CUHK Robotics Team, start-up companies and InnoHK.



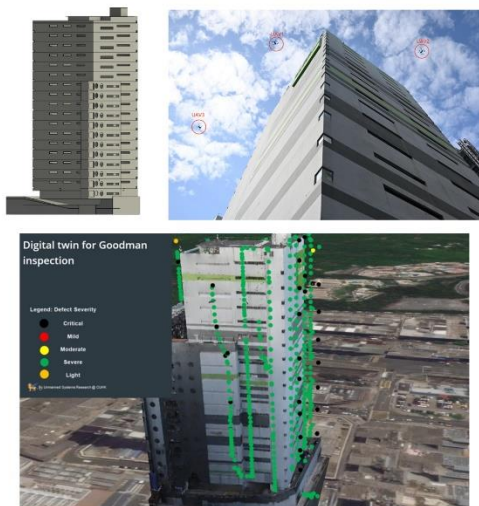
**Photo 1:** The officiating guests (from left: Professor Sham Mai-har, Pro-Vice-Chancellor of CUHK, Professor Liu Yunhui, Director of CURI and HKCLR, Ms Lillian Cheong, Under Secretary for Innovation, Technology and Industry, Professor John Chai, Council Chairman of CUHK, Dr Samson Tam, Board Member of HKSTP, and Mr Albert Wong, Chief Executive Officer of HKSTP)



**Photo 2:** HKSTP, Lenovo Group and HKCLR sign a collaboration agreement to jointly cultivate and incubate the next generation of young scholars and entrepreneurs.



**Photo 3-5:** The guests of honor visit the exhibition booths of CUHK's robotic innovations.



**Photo 6:** UAS and AI Technologies for Autonomous Built Asset Inspection and Management



**Photo 7:** Microrobotic Platform for Endovascular Intervention



**Photo 8:** Quadrupedal Robots: A New Last-mile Delivery Solution



**Photo 9:** TransCam 3D: World's First 3D Camera with the Ability to Reconstruct Transparent Objects



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### **About Hong Kong Science and Technology Parks Corporation**

Hong Kong Science and Technology Parks Corporation (HKSTP) has for over 20 years committed to building up Hong Kong as an international innovation and technology hub to propel success for local and global pioneers today and tomorrow. HKSTP has established a thriving I&T ecosystem that supported over 10 unicorns and Hong Kong's leading R&D hub with nearly 13,000 research professionals and over 1,300 technology companies focused on healthtech, AI and robotics, fintech and smart city technologies.

Established in 2001, we attract and nurture talent, accelerate and commercialise innovation and technology for entrepreneurs on their journey of growth in Hong Kong, to the Greater Bay Area, Asia and beyond. Our growing innovation ecosystem is built around our key locations of Hong Kong Science Park in Shatin, InnoCentre in Kowloon Tong and three modern InnoParks in Tai Po, Tseung Kwan O and Yuen Long. The three InnoParks are realising a vision of new industrialisation for Hong Kong. The goal is sectors like advanced manufacturing, electronics and biotechnology are being reimaged for a new generation of industry.

Through our infrastructure, services, expertise and network of partnerships, HKSTP will help establish innovation and technology as a pillar of growth for Hong Kong, while reinforcing Hong Kong's international I&T hub status as a launchpad for global growth at the heart of the GBA innovation powerhouse.

More information about HKSTP is available at [www.hkstp.org](http://www.hkstp.org).

### **About CUHK's T Stone Robotics Institute**

CUHK T Stone Robotics Institute was established in 2015. With the objectives of meeting the needs of Hong Kong and the Pearl Delta Area and enhancing the strength in robotics research of CUHK and the region, the Institute focuses its research efforts on medical robotics, logistics robotics, construction robotics, service robotics, and artificial intelligence. The Institute also encourages faculty members and students to establish robotics startups. In addition, the Institute actively promotes robotics innovation among undergraduate and secondary students by providing training courses and initiating robotics competitions.

### **About Lenovo Group**

Lenovo (HKSE: 992) (ADR: LNVGY) is a US\$62 billion revenue global technology powerhouse, ranked #171 in the Fortune Global 500, employing 77,000 people around the world, and serving millions of customers every day in 180 markets. Focused on a bold vision to deliver smarter technology for all, Lenovo has built on its success as the world's largest PC company by further expanding into growth areas that fuel the advancement of 'New IT' technologies (client, edge, cloud, network, and intelligence) including server, storage, mobile, software, solutions, and services. This transformation together with Lenovo's world-changing innovation is building a more inclusive, trustworthy, and



smarter future for everyone, everywhere. To find out more visit <https://www.lenovo.com>, and read about the latest news via our [StoryHub](#).

### **About CUHK's Hong Kong Centre for Logistics Robotics**

The Hong Kong Centre for Logistics Robotics was established in 2020 by The Chinese University of Hong Kong, with research contributions from the University of California, Berkeley. The Centre focuses on the research and development (R&D) of robotics and artificial intelligence (AI) technologies for “future workplace” as well as innovative solutions to the “pressing problems” in the logistics industry. In particular, HKCLR aims to advance robot intelligence in terms of

- Smart Perception;
- Smart Interactions;
- Smart Manipulation; and
- Smart Moving.

The research team is composed of distinguished professors from the two universities and accomplished Ph.D. degree holders across world-leading universities. The Centre is dedicated to pursuing innovative breakthroughs in ready-for-use robotics and AI technologies via close collaboration with academic and industrial stakeholders throughout Hong Kong, the Greater Bay Area (GBA), and Mainland China. It is expected that the Centre will foster the leading role of the local logistics industry in GBA and Mainland China, meanwhile enhancing its competitive edge in the global arena.

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