

CAD 24/25 International Summit – Main Plenary (Part 1)

Dr Lisa SHAM

The captioned was held at Hong Kong Metropolitan University (HKMU) on 13th May 2025. It provided a platform for related academics, professionals, government officials, and industrialists to share their knowledge of related/advanced technologies such as Artificial Intelligence (AI), Internet of Things (IoT), which have been substantially implemented in the Low Altitude Economy (LAE) to enhance our New Quality Productive Forces.

There were around 400 participants. Distinguished officiating guests included Ir Prof Dong SUN, JP, Secretary for Innovation, Technology and Industry, Mr. Roger WONG, JP, Director of Water Supplies, Ir Raymond POON, JP, Director of the Electrical and Mechanical Services Department, Ir Dr Hon WK LO, GBS, MH, JP, Legislative Council Member (Functional Constituency – Engineering), Ir Prof CC CHAN, Academician of Chinese Academy of Engineering, Prof Paul LAM, HKMU President, Prof Reggie KWAN, HKMU Provost, Dr TS LAM, Assistant Executive Director of VTC, Vice Principal of the Hong Kong Institute of Vocational Education (Tsing Yi) and Deputy Academic Director of the Engineering Discipline, Ir Prof Philips WANG, HKMU Dean of School of Science & Technology, Ir Prof Edwin TSO, CityUHK Associate Dean (Internationalization and Outreach) of School of Energy and Environment, Ir Rupert LEUNG, The HKIE Vice President, Ms. Emma THOMPSON, Society of Operations Engineers Executive Director, Ir Prof Eddie LOCK, The HKIE Council (EOM), The Institute of Measurement and Control (InstMC) Council Member and InstMC, Hong Kong Section Chairman, Ir Prof Louis LOCK, CAD Chairman, etc.

Prof KWAN and Ir Dr Tony LEE, the OC Chairman, presented the welcoming addresses and Ir Prof SUN delivered the keynote address.

Ir Prof SUN emphasized that AI, LAE and New Quality Productive Forces were vital for technological advancement and economic transformation. He highlighted that the government had made significant efforts to nurture the local AI ecosystem for Hong Kong to become an international I & T centre.

Mr. WONG mentioned that the digital technologies were applied for recovering water loss from aged water supply infrastructure. He introduced Water Treatment Works Automation to better the treatment works automation and Intelligent Electronic Service

Platform to streamline water supply applications for the local catering industry. The roadmap for digital transformation and the vision of establishing a “Digital Water Greater Bay Area (GBA)” was highlighted.

Ir POON elaborated that the government took proactive steps in March 2025 to promote the LAE through a regulatory sandbox involving 38 pilot projects. He introduced a smart signal tower inspection system in which drones capture aerial photographs that were analysed by AI engines to identify defects. He briefed that clear regulations, reliable systems and well-designed standards were critical for low-altitude applications.



Photo: L LOCK (L1), A POON (L2), R KWAN (L3), CC CHAN (L4), WK LO (L5), R WONG (L6), D SUN (L7), R POON (Middle), P LAM (R7), R LEUNG (R6), P WANG (R5), TS LAM (R4), E TSO (R3), E LOCK (R2), T LEE (R1) officiated the ceremony.