

**Conference on Smart and Green Mass Transit System  
and Its Impact on Hong Kong**

Dr Lisa SHAM

On behalf of CA Division (CAD) and CAI Disciplinary Advisory Panel (DAP), Ir Prof Louis LOCK, Chairman of CAI DAP was invited by Mr. Perry CHOW, Chairman of Electrical Engineering Alumni Association (EEAA), The Hong Kong Polytechnic University (PolyUHK) to be the Hon Facilitator of the panel discussion of the captioned at Cheung On Tak Lecture Theatre of PolyUHK on 24<sup>th</sup> July 2025. The event was organized by EEAA and jointly supported by CAD and Department of Electrical and Electronic Engineering of PolyUHK. Dr the Hon Frankie NGAN, Legislative Council Member was invited to be the Guest of Honour of the conference.

Dr NGAN elaborated the importance of developing a 7km “smart and green mass transit system” in the East Kowloon including a 6km of elevated viaducts, 1km of tunnel and eight stations between Choi Hung East and Yau Tong East. He highlighted that multiple distinct entrances should be established for every new station and an interconnection system with the nearby housing estates had to be prudently designed to solve traffic congestion in the said areas.

The representative of CRRC Puzhen Alstom Transportation System Co. Ltd. shared his views and experience of design and develop mid-low capacity rubber tyred rail transit vehicles and systems for Automated People Mover projects such as Hong Kong Airport Rapid Transit, etc.

The panel discussion concerning pros and cons of developing and operating smart and green mass transit systems in Hong Kong was facilitated by Ir Prof LOCK. Ir Prof Chi Yung CHUNG, Head of Department and Ir Prof Kang Kuen LEE, Professor of Practice (Transportation), Department of Electrical and Electronic Engineering, PolyUHK, Ir Prof Eric CHENG, Professor of School of Engineering, University of California, Merced and Ir Che Son CHANG, Executive Chairman of Key Direction Ltd. shared their views.

Mr. CHOW concluded the event with closing remarks.



Photo: Ir Prof LOCK (Left) presented a CAD flag to Mr. CHOW (Right)