

## Technical Seminar: Infrastructure to Support Wider Adoption of Green Motoring in Hong Kong

By: Mr. Andy Tsoi

In the evening on 14 September 2017, an informative presentation was given by Ir Edmond Chan, Senior Systems Engineering Manager of CLP Power HK Ltd. at the HKIE Headquarters on the topic of supporting green motoring in Hong Kong. Ir Chan is an experienced engineer in several areas including Smart Grid, Power Quality and Electric Mobility and leads the Power Quality and Electric Mobility Team. He is responsible to develop and install electric vehicle (EV) charging spots for EVs.

In the seminar, Ir Chan started by asking the participants whether they have tried driving EV or been a passenger of EV before, illustrating the benefits of green motoring including high energy efficiency, zero roadside emission and most importantly lower energy cost. It was stated that Hong Kong is in a good position to promote EV for the compactness and abundant electricity of the city.

In the meantime, Ir Chan stressed that the Government and CLP are in full support of EVs while the former has introduced pilot green transport fund and the latter has purchased its EV fleet to promote green motoring. However, the current EV charging infrastructure is insufficient due to several challenges such as power supply and the concerns from incorporated owner. Hence, some measures are proposed to tackle the challenges such as establishing good relation with newly built residential and commercial buildings for installing EV charging spots in car park and promoting the idea of smart-grid V2G charging which in the long run can reduce tariffs. These measures are in good progress.

During the Q&A session, Ir Chan was asked about the challenges in electrical installations such as the battery charging current which can be reduced by load management system. All participants are equipped with fundamental EV knowledge after this fruitful seminar.



<Photo Caption: Ir Chan presenting EV charging infrastructure for public transport)