

# Creating a *Smarter* Hong Kong International Airport



# ASCE

HONG KONG SECTION  
AMERICAN SOCIETY OF CIVIL ENGINEERS

This seminar is free of charge.  
Online registration

<http://goo.gl/HGKwPH>

For further information, please  
contact Ms. Snow Deng,  
Email: [ascehk@ust.hk](mailto:ascehk@ust.hk).  
The attendance certificate will be  
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## ASCE Hong Kong Section Distinguished Lecture

### Ir Alex Kwan

*Executive Director, Engineering & Technology  
Airport Authority Hong Kong*

**Date: 10 August 2017 (Thursday)**

**Time: 18:30 – 19:30**

**Venue: N003, Hong Kong Polytechnic University**

While Hong Kong International Airport (HKIA) expands its infrastructure, it is deploying automation and mobile technologies to create a smooth, hassle-free passenger experience.

In 2016/2017, it installed advanced X-ray machines that make security screening faster for travelers and aircrews. It is also exploring the use of biometrics, including facial recognition technology to manage passenger access to the airside area and boarding gates.

Meanwhile, HKIA is introducing more of the technology-based self-service facilities that are increasing popular among travelers. In addition to the self-bag drop service that debuted in March 2016, it recently completed a trial of a smart luggage tag. The new tags, which contain a radio frequency identification chip that allows passengers to track their bags as they arrive at HKIA, will be launched in 2017/2018.

During the year, HKIA began installing approximately 10,000 iBeacon transmitters that enable it to send directions and boarding alerts to passengers' mobile phones and other Bluetooth-enabled devices via its upgraded "HKG My Flight" mobile app. HKIA is adding several new features to the app, including airport signage translation and car park booking.

Behind the scenes, HKIA also plans to adopt new technologies, such as self-driving baggage containers and automated runway inspection systems, to increase productivity and efficiency.

Ir Kwan will present HKIA's Smart Airport vision and technology roadmap in creating a smarter Hong Kong International Airport.



Ir. Alex Kwan, Executive Director (Engineering & Technology) of the Airport Authority Hong Kong holds a Master of Science degree in Environmental Engineering (with Distinction) from the Imperial College, London and a Bachelor of Science degree in Civil Engineering from The University of Hong Kong. Before joining the Airport Authority, he was the Chief Executive of AECOM Greater China.

He has more than 30 years' experience in the planning, design and project management of large-scale transportation and civil infrastructure projects across Asia and North America, having worked for the Civil Engineering Services Department of the Hong Kong Government and taken up senior positions in major consulting companies locally and overseas. He is a Fellow of the Hong Kong Institution of Engineers.

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