

## Fly beyond the limit – the use of Unmanned Aerial Vehicles in the future

Date: Thursday 25 August 2016  
Time: 18:30 – 20:00 (Registration starts at 18:15)  
Venue: Room 3707, Hopewell Centre, 183 Queen's Road East, Wanchai, Hong Kong  
Fee: \$60 (Student); \$180 (RICS member / HKIES member); \$250 (non RICS member)  
Language: Cantonese  
Capacity: 70 (first-come, first-served)



### Speakers

- ❖ Mr AU Chi-ho, Tommy, Land Surveyor, Lands Department
- ❖ Mr LAM Lit-yin, Chairman of The Hong Kong Institution of Engineering Surveyors, General Manager of D-Reality Consultancy Ltd



### Event overview

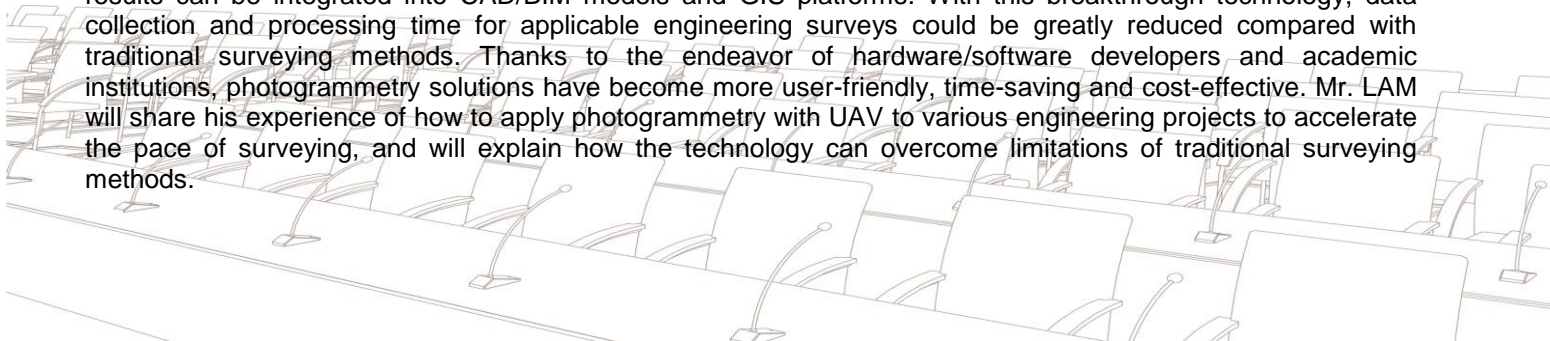
This joint CPD event of RICS and the Hong Kong Institution of Engineering Surveyors (HKIES) will provide an introduction to the rapid development of Unmanned Aerial Vehicles (UAVs) and their application in land and engineering surveying.

### The use of UAV for geospatial data acquisition

In the past, aerial surveying was an expensive and unreliable survey method. With the rapid development and growing popularity of UAV in recent years, aerial surveying is no longer a difficult and costly task. Further development of light weight sensors and long range UAV will be the next great leap in this technology. With RTK GPS receivers, small size sensors and improved batteries, large scale mapping tasks can be conducted with very limited manpower and budgets, and within tight time frames. A revolution is just beginning in data acquisition and it will affect not only land surveyors but also professionals of other disciplines. No matter whether you like it or not, this is the future of land surveying. Mr AU will share his experience of the operation of UAVs and give his perspective on the potential development of this technology.

### Impact of modern photogrammetry with UAV for engineering surveying

UAVs have been broadly used in different aspects of engineering surveying. They can be used for site inspection, progress photography, mobile mapping, topographic surveying and volumetric calculation. The results can be integrated into CAD/BIM models and GIS platforms. With this breakthrough technology, data collection and processing time for applicable engineering surveys could be greatly reduced compared with traditional surveying methods. Thanks to the endeavor of hardware/software developers and academic institutions, photogrammetry solutions have become more user-friendly, time-saving and cost-effective. Mr. LAM will share his experience of how to apply photogrammetry with UAV to various engineering projects to accelerate the pace of surveying, and will explain how the technology can overcome limitations of traditional surveying methods.



## About the speakers

Mr AU, an experienced radio control airplane and paraglider pilot, is also a land surveyor of the Lands Department. He is responsible for the training, operation and management of UAV pilots and the UAV fleet. He will share his experience of the operation of UAVs and the potential development of this technology.

Mr LAM has been the Chairman of The Hong Kong Institution of Engineering Surveyors (HKIES) since 2008. He has worked in the engineering surveying profession since 1992, and his experience includes many significant projects, including Hong Kong International Airport, West Rail, Hong Kong-Shen Zhen Western Corridor, Venetian Orient Cotai Parcel 5&6 (Macao) and Express Rail Link (XRL). He is also an MRICS, MHKIS, RPS(LS), MHKCAC, Construction Expert Witness and Construction Adjudicator.



# Registration form



Fly beyond the limit – the use of Unmanned Aerial Vehicle in the future

**Date:** Thursday 25 August 2016  
**Venue:** Room 3707, Hopewell Centre, 183 Queen's Road East, Wanchai, Hong Kong  
**Deadline for registration:** Tuesday 23 August 2016

## Delegate fees

RICS student member	\$60
RICS/HKIES member	\$180
Non-RICS member	\$250

To register, please complete this form and return it with payment to Ms Joanna Cheung at t +852 2116 0730 / f +852 2537 2756 or e [jcheung@rics.org](mailto:jcheung@rics.org)

## Delegate information

Surname \_\_\_\_\_

Given Name \_\_\_\_\_

Membership No. (If applicable): \_\_\_\_\_

Company \_\_\_\_\_

Correspondence Address: \_\_\_\_\_  
\_\_\_\_\_

Tel \_\_\_\_\_

Mobile \_\_\_\_\_  
(For use in an emergency on the day of the event)

Email \_\_\_\_\_  
(Please write your email clearly)

## Terms and Conditions

- The organiser reserves the right to cancel or reschedule the function at its discretion
- Applicants will only receive an e-mail notification from the RICS office to confirm their registration status. Should you not received an e-mail confirmation prior to the event, you are advised to call the RICS office at +852 3759 4105 to inquire about the status of your registration
- No refund is made for cancellation or "no show" but a substitute delegate may be permitted, please inform RICS at least one day prior to the event
- In the event a Typhoon Signal No. 8 or above or Black Rainstorm Warning being hoisted, the event will be postponed and details will be announced in due course. Should the aforesaid warnings be lowered before 12:00 noon on the date of event, the event will proceed as scheduled
- Seat(s) will be confirmed upon receipt of completed registration form and payment
- Please ensure the exact amount is deposited as no change or refund will be provided
- Separate payment cheque should be prepared for individual event
- Incomplete and incorrectly completed registration form will not be processed
- Attendance certificate and receipt will be emailed to participants within 10 working days after the event. Please inform RICS immediately if you do not receive the relevant documents within the said period. Any requests made 30 days after the event will not be accepted.
- CPD is an essential part of being a professional. All RICS members are required to complete and register for a minimum of 20 hours of CPD online each year.

## Data Protection Policy

RICS will always make sure you receive compulsory communications such as those relating to the administration of your membership, renewal notices, regulation and conduct, practice and guidance notes and AGM information.

Furthermore, RICS would like to use the contact details that you have provided to us in relation to the communications described below (including by email/telephone, where appropriate). Please tick the relevant boxes below:

If you **do not wish** to receive additional communications from RICS about membership and the profession, tick here

If you **do not wish** to receive additional communications from RICS about RICS conferences, events, products, services and training (some of which may complement your CPD requirements), tick here

If you **do not wish** to receive additional communications from RICS detailing offers from third parties with whom we have negotiated special deals for members\*, tick here

RICS would like to pass your details (including email address and phone number) to selected third parties pre-approved by RICS so that they can let you know from time to time about their offers, products and services. Please tick here if you **do wish** to receive communications from these third parties by email, by post and by phone

## Methods of Payment

### 1. By Cheque

Please mail a crossed cheque made payable in Hong Kong dollar to "**RICS International Ltd**" together with the completed registration form to Ms Joanna Cheung at **Room 3707-09, Hopewell Centre, 183 Queen's Road East, Wanchai, Hong Kong.**

### 2. By Online Registration

Please submit your online registration at our RICS website: [www.rics.org](http://www.rics.org)

