3D City Building Using Latest Technology in Airborne and Indoor Mobile Mapping Systems

conducted by

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3D city model is now an important component in different geospatial applications. Traditional survey and mapping, urban planning, heritage preservation, rapid response, disaster response and even autonomous navigation are making use of 3D city models and its related components for measurements, planning and decision making. Traditionally 3D city model creation has been relying on Airborne LiDAR data and image textures from aerial and terrestrial images. However, the Level of Detail (LOD) of such models is insufficient for advanced applications. Through the rapid development of Airborne Oblique image processing software and photogrammetry technique, highly detailed 3D objects can be created by oblique image data only. The use of LiDAR technology in 3D modelling has not been stopped but more focused in land and indoor application where rapid data collection and update is needed. Developments are undergoing to merge the two data stream together, creating a uniform 3D product for different applications.

Alan holds a Bachelor Degree in Civil / Geomatics Engineering from Ryerson University in Toronto, Canada, and also holds a Master Degree in Geomatics Engineering from University of Calgary in Calgary, Canada, specialized in Photogrammetry and GNSS/Inertial System. Alan is also a Licensed Professional Engineer in the Province of Ontario, Canada. His primary work and research has been focused on Direct Georeferencing system integration and workflow using Applanix Position and Orientation System (POS) on airbone and land applications. He has been working with Applanix for 15 years, leaded and supported in major projects such as the Digital Camera System (DSS) and the Indoor Mobile Mapping System (TIMMS). In 2012, Alan relocated to Hong Kong as China Business Development Manager. His current responsibility is system integration and technical support on Applanix POS systems for the Greater China region.

Date:	17 May 2017 (Wednesday)
Time:	6:30 p.m. to 8:00 p.m.
Venue:	9/F Island Beverley, No. 1 Great George Street, Causeway Bay Hong Kong
Medium:	English
Registration Deadline	12 May 2017
Admission:	Free (ICES members/HKIE members)

Please register on-line via http://www.cices.org.hkor fax your reply form to 2687 2252.
The numbers of places are limited and attendance is on a first-come-first-served basis. In addition, members will have priority over non-members in the event the seminar is over-subscribed.

Disclaimer: The Chartered Institution of Civil Engineering Surveyors has not arranged any insurance coverage for any participants in respect of any personal accident, property loss/damage or virus inflection arising from this function. Participants should make their own insurance arrangement at their own expense.

Reply Form

I, _____, confirm my intention to attend the Seminar on 17 May 2017 (Wednesday). My membership number of the ICES is _____. My telephone number is _____ and e-mail address is _____.