



TIMMS - Indoor Mobile Mapping System, capturing spatial data of indoor and other GNSS denied areas

Conducted By

Alan W. L. IP

Mobile mapping system (MMS) have been widely used in airborne, land and marine environments for over 2 decades. Such system is multi-sensor integrated primarily with a GNSS / inertial navigation system, and one or more mapping used sensors such as airborne mapping camera, terrestrial / airborne LiDAR, or single / multi-beam sonar depending on the surveying and mapping environment.

After all these years of GNSS / inertial technologies development, the MMS has been brought into the GNSS denied indoor environment, continuing its Direct Georeferencing capability to capture spatial data. The TIMMS is the optimal fusion of technologies provides both LiDAR and spherical video of a facility, enabling the creation of accurate, real-life presentations (maps, models) of interior space and all of its contents.

Alan W. L. Ip is a Technical and Support Manager, Applanix Corporation and he has been working in the Mobile Mapping Industry for over 10 years. Holding a master degree from the University of Calgary, his work focuses on the optimization of airborne mapping workflow using GNSS/Inertial technologies. Since 2001, Alan is responsible for the Digital Sensor System (DSS) development in Applanix Corporation for Rapid Response and small area / corridor mapping application. His work also includes multi-sensor integration such as DSS/LiDAR helicopter platform for powerline mapping, Dual DSS 4-band sensor head and Real-time Orthophoto generation for National Oceanic and Atmospheric Administration (NOAA). In 2012, Alan relocates to Hong Kong providing system integration support for Hong Kong and China region.

Date : 28th January 2014 (Tuesday)
Time : 6:30 pm to 8:00 pm (Registration starts at 6:00pm)
Venue : Seminar Room, 9/F Island Beverley, No. 1 Great George Street, Causeway Bay
Hong Kong (HKIE Head Quarter)
Medium : Chinese / English
Deadline : 21st January 2014
Admission : Free

Please register on-line via <http://www.cices.org.hk>. For enquiries, please contact Mr. Ray YY NG (Tel: 9433 7799).

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 infection arising from this function. Participants should make their own insurance arrangement at their own expense.

Reply Form

I wish to register for the Seminar on 28th January 2014 (Tuesday) as follows:

Mr / Mrs / Ms / Dr*

Surname: _____ First name: _____

Employer: _____ Position: _____

Email: _____ Tel: _____

Member: CM / GE* Membership No: _____

Membership Grade: ICES: _____ Other _____

*Please delete where non-applicable