

Organized by:



Supporting
Organization:



DEPARTMENT OF
LAND SURVEYING AND GEO-INFORMATICS
土地測量及地理資訊學系



The Hong Kong Institute of Civil and
Building Information Management
香港土木及建築信息管理學會



HKIES CPD Function

Unlocking Speedy and Accurate Surveying with RIEGL Laser Scanning Systems and RealityCapture Photogrammetry Software

Organizer:	The Hong Kong Institution of Engineering Surveyors (HKIES)
Date:	27 November 2024 (Wednesday)
Time:	19:15 – 20:45 (CPD hours: 1.5)
Venue:	<i>Digital Twin Lab, Construction Industry Council</i> 29/F, Tower 2, Enterprise Square Five (MegaBox), 38 Wang Chiu Road, Kowloon Bay, Kowloon, Hong Kong
Speaker:	(1) Representative of RIEGL Laser Measurement Systems (2) Mr. Danny Chow, Sales Director of Reality Capture Hong Kong Limited
Language:	(1) English (2) Cantonese
Admission:	Free of charge, and 28 seats (priority will be given to members of HKIES and supporting organizations; <u>successful applicants will receive a confirmation email.</u>)
Deadline for enrollment is 21 November 2024	please register by filling the Google form https://forms.gle/MxLVGcAz5s3TT6qv7 before the deadline.
[After attending this CPD function, you will receive an email as proof of your attendance and the number of CPD hour(s).]	

Abstract:

RIEGL has more than 40 years of experience in the research, development and production of laser rangefinders, distance meters, and scanners, RIEGL delivers proven innovations in 3D. The combination of RIEGL's state-of-the-art hardware for terrestrial, industrial, mobile, airborne, bathymetric and UAV-based laser scanning with appropriate software packages for data acquisition and processing results in powerful solutions for multiple fields of application in surveying.

RealityCapture is a world leading and state-of-the art photogrammetry software recognized for its speed, accuracy, quality and used by many professionals in wide range of industries. Its technology can fully automatic to transform **photos, LIDAR, and video** to digital-twin modelling and fully automatic to combine (**Digital Camera + Drone + Tripod Laser Scanner + Video Camera + Smartphone + Mobile Lidar**) for architecture, construction, engineering, surveying business applications.

Many construction firms employ a hybrid approach, combining LIDAR and photogrammetry to leverage the strengths of each technology and overcome their limitations. This integrated approach enhances data accuracy, efficiency, and cost-effectiveness in construction projects.

About the Company:

RIEGL - An international leading provider of cutting-edge technology in **airborne, mobile, terrestrial, industrial, bathymetric** and **UAV-based laser scanning solutions** for applications in surveying. Their goal is to design, develop and produce the best possible laser sensors for the desired application in order to perfectly fulfill the measurement task at hand and meet the expectations of customers worldwide.

CapturingReality - A software development house based in Bratislava, Slovakia, which develops photogrammetry software RealityCapture. The mission of the company is to bring great freedom to people's work so that they can focus on their business targets and let RealityCapture to do the rest.

All members and guests are welcome, and the number of participants is limited. Participants will be accepted on a first come first served basis. For enquiries, please call 9425 3524 or email to: cpd@hkies.org.hk.

Disclaimer: The Organizer(s) have not arranged any insurance coverage for any participants on any personal accident, property loss/damage or virus inflection arising from this CPD function. Participants should make their own insurance arrangement at their expenses. We reserve the right to change the date and venue at any time without prior notice.