



ANNOUNCEMENT

AGS (HK) Technical Seminar

Application of Remote Sensing Technology in Geotechnical and Geological Studies

by

Mr. Wai-kin Leung

- Date** : 14 January 2021
- Time** : 18:30 – 20:00 (Hong Kong Time)
- Venue** : The webinar will be conducted through Zoom.
Successful applicants will be provided a link to the seminar. Participants should arrange for their own device with a stable network environment to join the webinar.
- Enquiry** : For general enquiries, please contact
Haydn Chan (email: haydn.chan@arup.com)
For Technical Seminar enquiries, please contact agshk.org@gmail.com.
- Seminar Fee** : Free of charge
- Registration** : <https://forms.gle/wTBSWVh7qCpGpmgM6>
Please register by 11th January 2021. Successful applicants will receive webinar details on 12th January 2021. CPD certificate will be sent to the attendees after the webinar.
- Book Prize** : Book prize is open to all young attendants under 35 years old for the submission of a good quality report (max. 500 words) on this event. Book Prize reward comprises a book "Geology of Site Investigation Boreholes in Hong Kong" by Chris Fletcher and book coupon HK\$300 from Joint Publishing (三聯書店). Please send your report to haydn.chan@arup.com.



Synopsis:

With the advancement in remote sensing technology and the processing power of computers, techniques like light detection and ranging (LiDAR), photogrammetry and interferometric synthetic aperture radar (InSAR) are now commonly applied in geotechnical and geological studies. Remote sensing technology can provide accurate information for a large area without physical contact with the objects being investigated. The techniques can be applied to remote, difficult terrains and provide spatially continuous data. It provides good supplements/alternatives to the traditional survey methods at steep and vegetated natural terrain.

The aim of the seminar is to introduce the principles, applications and latest development of remote sensing technology in geotechnical and geological studies in Hong Kong, with main focus on natural terrain. Advantages and limitations of techniques including laser scanning, photogrammetry, InSAR etc. will also be discussed.

About the Speaker:

Mr. Wai-kin LEUNG obtained his BSc in Earth Sciences from the University of Hong Kong and MSc in Remote Sensing in University College London. He is a chartered geologist and has been working for the Government of HKSAR in the areas of planning and terrain evaluation, engineering geology, natural terrain hazard studies and remote sensing research & development. He is currently a Geotechnical Engineer in the Planning Division of the Geotechnical Engineering Office, Civil Engineering and Development Department.