



ANNOUNCEMENT

AGS (HK) Technical Seminar

Distributed Fibre Optic Strain Sensing: Long-Term Monitoring for Slopes & Infrastructure in Hong Kong

by

Rich Laver (Varadise)

Date : 24 November 2022

Time : 18:30 – 19:30 (Hong Kong Time)

Venue : The webinar will be conducted through Zoom.

Successful applicants will be informed by emails with a Zoom's link to the webinar. Participants should arrange for their own device with a stable network environment to join the webinar.

Enquiry : Haydn Chan (email: haydn.chan@arup.com)

Fee : Free of charge

Registration : <https://forms.gle/MEzBerxRiR4KEjScA>

Please register by 21st November 2022. Successful applicants will receive webinar details on 22nd November 2022. CPD certificate will be sent to the attendees after the webinar.

Book Prize : The youth professionals under 35 years old are encouraged to submit their reports (max. 500 words) in quality on this event. Please refer to the AGS HK's website "The AGS Book Prize Reports–Assessment Framework" for details before the submission. The successful candidate will be awarded with the Book Prize that comprises of a book "Geology of Site Investigation Boreholes in Hong Kong" that written by Chris Fletcher, and a gift certificate HK\$500 from eslite spectrum (誠品生活). The awarded report will further be uploaded to the website of AGSHK. Please send your report to Mr. Haydn Chan through the email: haydn.chan@arup.com.



香港岩土及岩土環境工程專業協會
ASSOCIATION OF GEOTECHNICAL &
GEOENVIRONMENTAL SPECIALISTS (HONG KONG)

Contact: Ir Clayton CHAN, E-mail: Clayton.Chan@aecom.com
Website: www.ags-hk.org

Synopsis:

Distributed fibre optic strain sensing (DFOSS) enables the accurate measurement of strain, temperature and vibration along the entire length of a fibre optic cable. The durability and low cost of the cable make it ideal for the comprehensive long-term monitoring of extensive structures. It is no wonder that the last 20 years has seen DFOSS adopted worldwide for an ever-broadening range of monitoring applications, including structural health, soil movement, traffic congestion and intrusion detection. To date the uptake in Hong Kong has been experimental, but the technology looks set to bring big benefits, particularly for landslide mitigation and infrastructure health monitoring. This webinar will delve into how DFOSS works, its benefits and applications, along with a couple of successful case studies implemented by the presenter.

About the Speaker:

Dr Rich Laver is Digital Project Manager at Varadise, revolutionising the construction sector through novel digital technologies. Rich is chartered as a geotechnical engineer with 12 years' experience developing bespoke digital solutions and as design lead delivering advanced geotechnical solutions, amongst them distributed fibre optic sensing systems.