



<p style="text-align: center;"><b>ANNOUNCEMENT</b></p> <p style="text-align: center;"><b>AGS(HK) Technical Visit to Polytechnic University – Optical Fibre Sensing Techniques</b></p>	<p style="text-align: center;">Application of OFDR in Measurement of Diaphragm Wall Deformation</p>
<p><b>Date :</b></p>	<p>Saturday, 26 Aug 2023</p>
<p><b>Time :</b></p>	<p>9:00am -12:00nn</p>
<p><b>Highlights :</b></p>	<p>The Hong Kong Polytechnic University (PolyU) is ranked 15<sup>th</sup> worldwide and 1<sup>st</sup> in Hong Kong in the discipline of Civil and Structural Engineering (including Geotechnical Engineering) in the QS World University Rankings by Subject in 2022. Recently, Smart Geotechnology Laboratory has been established in the Department of Civil and Environmental Engineering of PolyU to facilitate the development and application of advanced optical fibre sensing techniques in geotechnical engineering in Hong Kong and the Greater Bay Area.</p> <p>The technical visit will cover (1) a brief introduction to commonly used optical fibre sensing techniques, including fibre Bragg grating (FBG), Brillouin optical time-domain analysis (BOTDA), optical frequency domain reflectometry (OFDR), etc., and their sensing principles; (2) novel transducers developed by PolyU research team; (3) recent successful applications of optical fibre sensing techniques in Hong Kong, including a monitoring project of trees and stone walls under extreme weather conditions, monitoring of the deformation of diaphragm walls during execution, pile foundation monitoring; and (4) experiments and demonstrations using state-of-the-art distributed optical fibre sensing techniques.</p>
<p><b>Safety Requirements :</b></p>	<p>Participants shall follow the safety instructions given and are required to complete the liability disclaimer form before the visit.</p>
<p><b>Book Prize :</b></p>	<p>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\$500 or equivalent.</p>
<p><b>Registration :</b></p>	<p>The number of participants is strictly limited. Priority will be given to members of the AGS(HK). The number of attendees will be limited to 25 and the applications will be accepted on a first-come, first-served basis. Successful applicants will be informed about 1 week before the event. CPD certificates will be provided. If you have any queries, please call Martin Yip at 6012 0019.</p> <p>Please register at <a href="https://forms.gle/BTKJipi5oCTPg87C8">https://forms.gle/BTKJipi5oCTPg87C8</a>.</p>

*(Please note that neither AGS(HK) nor the parties concerned accept any liability in connection with the above event)*