



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

Contact: Haydn CHAN, E-mail: Haydn.Chan@arup.com
Website: www.ags-hk.org

ANNOUNCEMENT

AGS (HK) Technical Seminar

Quarry Transformation in Action: Securing Material Resources and Long-Term Land Supply in Hong Kong

by

Mr. Matthew Fong
(Senior Engineer, AECOM)

Date : Thursday, 29 October 2026

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 : agshk.org@gmail.com

Fee : Free of charge

Registration : <https://www.ags-hk.org/event-details/quarry-transformation-in-action-securing-material-resources-and-long-term-land-supply-in-hong-kong>

Please register by 18:30 on 29 October 2026. Successful applicants will receive webinar details after registration. CPD certificate will be sent to the attendees, who attended more than 80% of the webinar time, within 2 weeks after the webinar.

Book Prize : Professionals under 35 years of age are encouraged to submit a Book Prize Report (max. 500 words) on webinars and site visits arranged by AGS (HK).

Contributors to successful Book Prize Reports will be awarded a Book Prize that comprises of a book "Geology of Site Investigation Boreholes in Hong Kong" written by Chris Fletcher, and a coupon of HK\$500 for Eslite Spectrum (誠品生活) or equivalent. The successful Book Prize Report will also be published on the AGS (HK) website to showcase your accomplishment.

Prior to report submission, please refer to the "The AGS Book Prize Reports – Assessment Framework"* on the AGS (HK) website. You may submit your Book Prize Report to our assessors by uploading the report file through the AGS (HK) website at <https://www.ags-hk.org/book-prize>. Should you have any questions, please contact us at agshk@meinhardt.com.hk.

*Link to the AGS Book Prize Reports – Assessment Framework:
https://www.ags-hk.org/files/ugd/521a4c_b94496034732484687441cf4ed4d0bf9.pdf



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

Contact: Haydn CHAN, E-mail: Haydn.Chan@arup.com
Website: www.ags-hk.org

Synopsis:

This webinar showcases the transition from traditional surface quarrying to strategic underground quarrying development in Hong Kong, a critical evolution addressing material supply security and land scarcity. With mountainous terrain comprised of strong granite and volcanic rock, Hong Kong leverages its geology to unlock subterranean potential under the Civil Engineering and Development Department's Cavern Master Plan.

The Quarrying-cum-Cavern development model delivers a triple win by releasing high value surface land, hiding suitable land consuming facilities underground, and yielding high quality aggregates to support the local construction industry. A key case study highlights this shift: the Underground Quarrying at Lam Tei development, a self-financed project transitioning an existing surface quarry into an underground complex. By integrating quarrying, rock product production, and cavern space creation, it supports Northern Metropolis growth while minimising operational nuisances for nearby communities. Ultimately, this sustainable approach generates a strategic underground land bank for future generations.

About the Speaker:

Mr. Matthew Fong is a Chartered Engineer at AECOM with over 11 years of experience across planning, feasibility studies, investigation, design, and project management in the civil and geotechnical engineering field. Matthew has played an active role in major Hong Kong infrastructure projects, including the Joint Cavern Development at Anderson Road Quarry Site, Underground Quarrying at Lam Tei, and Underground Quarrying at Tsing Yi North.

Matthew holds a Bachelor's degree from The Hong Kong University of Science and Technology and a Master's degree from The University of Hong Kong. Throughout his career, he has specialized in quarry, cavern, and tunnelling developments, particularly those involving drill-and-blast excavation. In addition, he provides strategic advice to clients, develops business models, conducts market sounding / consultations, and optimizes project delivery frameworks for complex infrastructure projects.