

WEBINAR TALK ON LESSONS LEARNT: A SHOWCASE OF THE UNPRECEDENTED EMERGENCY REPAIR WORKS FOR A MASSIVE NATURAL TERRAIN LANDSLIDE AT SHAU KEI WAN, HONG KONG (SEPTEMBER 2023)

SPEAKER:

Ir. LAWRENCE LEUNG



6 JANUARY 2026, TUESDAY



4.00PM – 6.00PM

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SYNOPSIS

A severe natural terrain landslide occurred at Shau Kei Wan in Hong Kong on 8th September 2023, triggered by a record-breaking intense rainstorm event. Following this incident, huge amount of landslide debris comprising numerous massive boulders were deposited on the slope below the landslide source area, Yiu Hing Road at slope toe as well as the adjoining housing estate areas. Consequently, a section of Yiu Hing Road and the affected housing estate areas had been closed for months inducing significant nuisance and inconvenience to the general public. As a matter of concern, unusually notable residual hazards from the slope remained in place following the landslide. In order to eliminate the imminent danger and threat posed primarily by the unstable boulders resting on the slope, emergency repair works entailing strenuous removal of the hanging boulders and landslide debris on the disturbed slope surface and pioneered in-situ stabilization works at different sections of the landslide scar have been carried out to ensure the safe reopening of Yiu Hing Road and other affected areas.

The emergency repair works are unprecedented in scale and they play an important role to ensure public safety in the subject residential area. This webinar will offer valuable insights into the constraints and challenges in proceeding with the works due to the site setting, the key considerations of the works, construction methodologies, ways to address public concerns and the lessons learnt, contributing valuable insights into the management of similar events in the future.

SPEAKER'S PROFILE

Lawrence Leung is a Chartered Engineer (CEng) with expertise in site supervision and contract administration of slope upgrading works and natural terrain hazard mitigation works. He holds a BEng(Hons) (2014) in Civil Engineering from the Hong Kong Polytechnic University and MSc (2019) in Geotechnical Engineering from the University of Hong Kong.

Lawrence was responsible for slope works contract under Landslip Prevention and Mitigation Programme (LPMitP) for Geotechnical Engineering Office (GEO) and slope upgrading works contract under Preventive Maintenance Programme (PMP) for Highways Department (HyD) and Emergency Repair Works for massive natural terrain landslide at Yiu Hing Road in Hong Kong.

Lawrence currently works as Resident Engineer (Geotechnical) for AECOM-Halcrow Joint Venture, supervising the site formation and geotechnical works, land contamination assessment and Cement Solidification /Stabilization for high arsenic-containing (HAC) soil for San Tin Technopole Phase 1 Stage 1 (West) - Contract 1 - Site Formation and Associated Works (Contract No. ND/2024/09) in Hong Kong.