



Malaysian Geotechnical Society



HONG KONG
GEOTECHNICAL SOCIETY

A Member Society of International Society for Soil
Mechanics and Geotechnical Engineering

Since 2003

WEBINAR— MGS-HKGES JOINT FORUM ON LANDSLIDE RISK ASSESSMENT & MANAGEMENT

13 July 2023 (Thursday)

9.00 am—1.00 pm, via Zoom

- BEM Approved CPD: Applying
- PEB PDU: Applying
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Synopsis

The MGS-HKGES Joint Forum aims to create a venue for interactive discussions and sharing of experience in Geotechnical Engineering among the Malaysian and Hong Kong Geotechnical fraternity. It provides a platform for our practitioners and academics to share their ideas and experiences in the geotechnical engineering profession in the aim to meet new challenges. This is the inaugural MGS-HKGES Joint Forum, which focuses on Landslide Risk Assessment & Management.

Programme

Time		Description
From	To	
9:00	9:10	Opening
9:10	9:40	Keynote 1: Landslide Risk and Managing Slope Sustainability for Public Works Department, Malaysia Ir. Dr. Hj. Ahmad Shukri bin Hj. Abd Rashid (Public Works Department - JKR)
9:40	10:10	Keynote 2: Smart and Sustainable Strategies to Manage Landslide Risk in Hong Kong Ir. Roy Hung (Geotechnical Engineering Office)
10:10	10:25	Landslide Risk Management in Malaysia Ir. Dr. Low Tian Huat (Mohd Asbi Associates Sdn Bhd)
10:25	10:40	Natural Barrier Effect of Forests: Nature-based Solution Against Debris Flows Dr Clarence Choi (The University of Hong Kong)
10:40	10:50	Break
10:50	11:05	Leveraging on Machine Learning for Managing Geohazard Impacts to Structural Assets M. Joehan Rohani (Group Technical Solutions)
11:05	11:20	Limit Equilibrium Method for Rock Slope Stability Analysis by Using A Generalized Hoek–Brown criterion Prof Jianfeng Wang (City University of Hong Kong)
11:20	11:35	Landslides, Lessons Learnt and Risk Management Approach in Malaysia Ir. Liew Shaw Shong (G&P Geotechnics Sdn Bhd)
11:35	11:50	Probabilistic Slope Analyses Considering Hybridization of Regional and Site-specific Data of Soil Properties Dr Andy Y.F. Leung (The Hong Kong Polytechnic University)
11:50	12:00	Break
12:00	12:50	Panel Discussion
12:50	13:00	Closing

Speakers' Profiles

Ir. Dr. Hj. Ahmad Shukri bin Hj. Abd Rashid is Senior Superintendent Civil Engineer with the Public Works Department Malaysia (JKR), with 23 years of experience in Civil Engineering industry with various positions in JKR and Government Linked Company (GLC) – MRT Corporation Sdn. Bhd and also in Private Sector.

He joined JKR in 2004 and has worked in different departments, including Superintendent Officer for infrastructure projects, Road Designer and Road Maintenance Engineer, Kuala Kangsar District Engineer, Head Forensic Expert for MACC and currently at Slope Engineering Department, PWD Malaysia.

He pursued his Ph.D. in Civil Engineering with a specialization in Tunnelling at Universiti Teknologi PETRONAS and completed a 5-month Ph.D. research attachment at Cambridge University in the United Kingdom from January to May 2019. He obtained a Master of Geotechnical Engineering from Newcastle Upon Tyne University, UK in 2010 and a Bachelor of Engineering (Hons) from Universiti Teknologi Malaysia in 2000. In 1995 and 1996, he completed his Certificate and Diploma in Civil Engineering from Ungku Omar Polytechnic.

Ir., Roy Hung is a Fellow of the Hong Kong Institution of Engineers (HKIE) and the Institute of Materials, Minerals and Mining (IMMM), with over 20 years of experience in tunnelling and cavern engineering, quarrying and rock processing, concrete technologies and slope stabilization. He is currently a Chief Geotechnical Engineer in the Civil Engineering and Development Department of the Government of the Hong Kong Special Administrative Region, overseeing Hong Kong's territory-wide landslide prevention and hazard mitigation projects.

Ir. Dr. Low Tian Huat graduated from the University of Malaya in Civil Engineering in 1994, and joined the research team in University Malaya to carry out research on Unsaturated Tropical Residual Soil under the PLUS-IPT research Grant. Subsequently, Ir Dr Low pursued his post graduate study and obtained his Master Degree in 2001 and PHD in 2011 from University Malaya. Currently, Ir Dr Low has been working in Mohd Asbi Associates Sdn Bhd since 2002 and he has been appointed as partner of the firm. He has published more than 50 papers in journals and proceedings for local and international conferences.

Dr. Clarence Choi is an engineer, a teacher, and a researcher in geotechnical engineering. He is Assistant Professor in the Department of Civil Engineering at the University of Hong Kong. His research interests are in slopes, landslides, and ground improvement. Some of his recent recognitions include the 2023 Young Engineer of the Year Award by the Hong Kong Institution of Engineers, the 3rd Hutchinson Lecture by Federation of International Geo-engineering Societies, and 2022 Oldrich Hungr Award by the International Consortium on landslides.

M. Joehan Rohani obtained his Bachelor of Engineering in Civil Engineering from Queensland University of Technology, Australia in 1996 and Master of Science from University of Warwick, UK in 2006. He has over 25 years of experience in fields of Geotechnical and Structural Engineering with involvements in related projects both locally and internationally. He has extensive experience and is specialised in offshore geotechnical engineering. Over the last 10 years is also actively involved in onshore slope related geohazard assesment works. Besides consultancy projects, he has been involved in various research projects in the area of effect of shallow gas on soils, pile ageing, remoulded soil properties, lateral soils stiffness, predictive analytics, use of machine learning and remote sensing methods for geohazard assessment etc. Joehan has publised in more than 25 international and local conferences and also involved in reviewing international journals and conference papers. He is a working member in the ISO Marine Soil Investigation, API-ISO WG10- Foundations and Standard Malaysia-Offshore Structures Technical Committee.

Prof. Jianfeng Wang is an internationally renowned expert in the field of micromechanical characterization and modeling of granular soils. Prof. Wang has received a number of prestigious international research awards including 2022 VEBLEO fellow, IAAM award, 2011 Geotechnical Research Medal (UK Institution of Civil Engineers) and 2010 Higher Education Institutions Outstanding Research Award (the Ministry of Education of China). Dr. Wang currently serves as an Associate Editor of Géotechnique, and Editorial Board Member of Computers and Geotechnics, Journal of Rock Mechanics and Geotechnical Engineering, and Soils and Foundations. So far, Dr. Wang has published over 100 SCI journal papers and has a Google Scholar H-index of 33. Dr. Wang is among the list of world's top 2% scientists in 2022.

Speakers' Profiles

Ir. Liew Shaw Shong obtained his Bachelor of Science Degree in Civil Engineering with First Class Honours from National Taiwan University at Taipei in 1991 and worked as a geotechnical engineer in Sino Geotechnology Inc. at Taipei for a year. In 1992, he continued his post-graduate study in University of New South Wales in Sydney, Australia and obtained his Master of Engineering Science in 1993. He then returned to Malaysia to work as geotechnical engineer in a multi-discipline engineering consultant firm. He is the senior director/founder of G&P Geotechnics Sdn. Bhd. In the past twenty-nine years of his professional career, he has been involved in numbers of forensic investigations of landslide problems at mountainous roads and is one of the project team members in the National Slope Master Plan Study commissioned by JKR.

Dr Andy Y.F. Leung is currently Associate Professor and Associate Head (Partnership) at the Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University (PolyU). He has been serving as President of the Hong Kong Geotechnical Society since June 2022. His research interests include soil-structure interaction, reliability of geotechnical and structural systems, probabilistic analysis approaches and risk assessments. He has received multiple awards on teaching, research and knowledge transfer to bring university research to the practice.

Registration Fee

MGS / IEM / GeoSS / CTGS / HKGES Members: **Free**
Non Members: **RM20.00 per person**

Payment Methods

1) Online Bank Transfer

Bank name: **Hong Leong Bank Berhad**
Payee: **Pertubuhan Geoteknikal Malaysia**
Bank Account No: **281-000-12316**

2) PayPal (<https://paypal.me/mygeosociety>)

3) Online Money Transfer Platforms (such as Wise)



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- ✓ Each approved registrant will receive a unique Zoom link for the webinar.
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