

International Week on Geotechnology The 4th Innotech Forum on Geotechnology

2 June 2025 (Monday)
Loke Yew Hall, The University of Hong Kong

Programme

Time	Agenda
08:30	<i>Registration</i>
09:00	<i>Welcoming Address</i> Professor PAN, Wei Head of Department of Civil Engineering, The University of Hong Kong
09:10	<i>Opening Speech</i> Ir LAU, Chun-kit Ricky, JP Permanent Secretary for Development (Works), Government of the Hong Kong Special Administrative Region
09:20	<i>Opening Ceremony and Group Photo</i>
	Morning Session: Chaired by Ir YEUNG, Fei Jenny Deputy Head of the Geotechnical Engineering Office, Civil Engineering and Development Department
09:45	<i>Keynote Presentation: Future Geotechnics – Hong Kong's Perspectives</i> Ir Dr CHEUNG, Wai-man Raymond, JP Head of the Geotechnical Engineering Office, Civil Engineering and Development Department
10:15	<i>Keynote Presentation: Risk Mitigation on Geological Hazards in Mainland China under Climate Change</i> Academician YIN, Yueping Chief Geologist of China Institute of Geoenvironment Monitoring, CGS
	Session 1: Landslide Risk Management against Climate Change Impact
10:45	<i>Landslides within Cascading Events</i> Professor GLADE, Thomas Professor, Department of Geography and Regional Research, The University of Vienna, Austria
11:00	<i>Digital Twin Empowered Landslide Emergency Risk Management</i> Professor ZHANG, Limin Chair Professor and Head of Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology
11:15	<i>Coffee Break</i>
11:30	<i>Climate Change and Its Impact on Landslide Disasters in Japan: Recent Research Progress</i> Professor WANG, Gonghui Professor, Disaster Prevention Research Institute, Kyoto University, Japan
11:45	<i>Leveraging National and CUHK Satellites for Large-scale Landslide Monitoring and Early Warning</i> Professor MA, Peifeng Associate Professor, Department of Geography and Resource Management, The Chinese University of Hong Kong
12:00	<i>AI-empowered Landslip Warning System in Hong Kong</i> Ir CHU, Kei-hong Edward Senior Geotechnical Engineer, Geotechnical Engineering Office, Civil Engineering and Development Department

Time	Agenda
12:15	<i>Morning Session Panel Discussion, Q&A Session and Souvenir Presentation</i>
12:35	<i>Lunch</i>
	Afternoon Session: Chaired by Ir Dr LEE, Siew Wei Chairman of the Geotechnical Division, The Hong Kong Institution of Engineers
14:00	<i>Keynote Presentation: Application of Artificial Intelligence in Weather Forecasting</i> Dr CHAN Pak-wai, JP Director of the Hong Kong Observatory, Hong Kong Observatory
14:30	<i>Keynote Presentation: Disaster Evolution Mechanisms and Critical Prevention Technologies for High-Position Extra-Large Complex Toppling Deformation Masses in Southwest China</i> Mr YANG, Tao Deputy Director of the Science and Technology Innovation Center, Sichuan Geological Environment Survey and Research Center
	Session 2: Data-driven Innovations for Enhancing Excellence and Resilience in Geotechnical Applications
15:00	<i>Machine Learning for Landslide Dynamics Modelling</i> Dr LIU, Zhongqiang Senior Specialist, Norwegian Geotechnical Institute, Norway
15:15	<i>Trial Piles in Northern Metropolis</i> Mr CHIU, Yik-kan Kian Geotechnical Engineer, Geotechnical Engineering Office, Civil Engineering and Development Department
15:30	<i>Objective Processing and Analysis of Large-scale, Multi-layer GI Datasets: Development of an Interactive Tool for Producing Site-wide Design Geotechnical Parameters</i> Dr GOODWIN, Saoirse Engineer, Ove Arup & Partners Hong Kong Limited
15:45	<i>Coffee Break</i>
16:00	<i>Utilizing Geophysical Survey Techniques to Interpret Rockhead Profiles in Urban Development</i> Ir LEUNG, Keith Associate Director, AECOM Asia Company Limited
16:15	<i>Augmenting the Role of Soil Test Database in Efficient Reliability-based Design of Ultimate and Serviceability Limit States</i> Professor LEUNG, Y. F. Andy Associate Professor, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University
16:30	<i>Generative AI for 3D Subsurface Geological Modelling using Limited Site-specific Data and Prior Geological Knowledge</i> Professor WANG, Yu Professor, Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology
16:45	<i>Afternoon Session Panel Discussion, Q&A Session and Souvenir Presentation</i>
17:15	<i>Closing Remarks</i> Ir Dr CHEUNG, Wai-man Raymond, JP Head of the Geotechnical Engineering Office, Civil Engineering and Development Department