

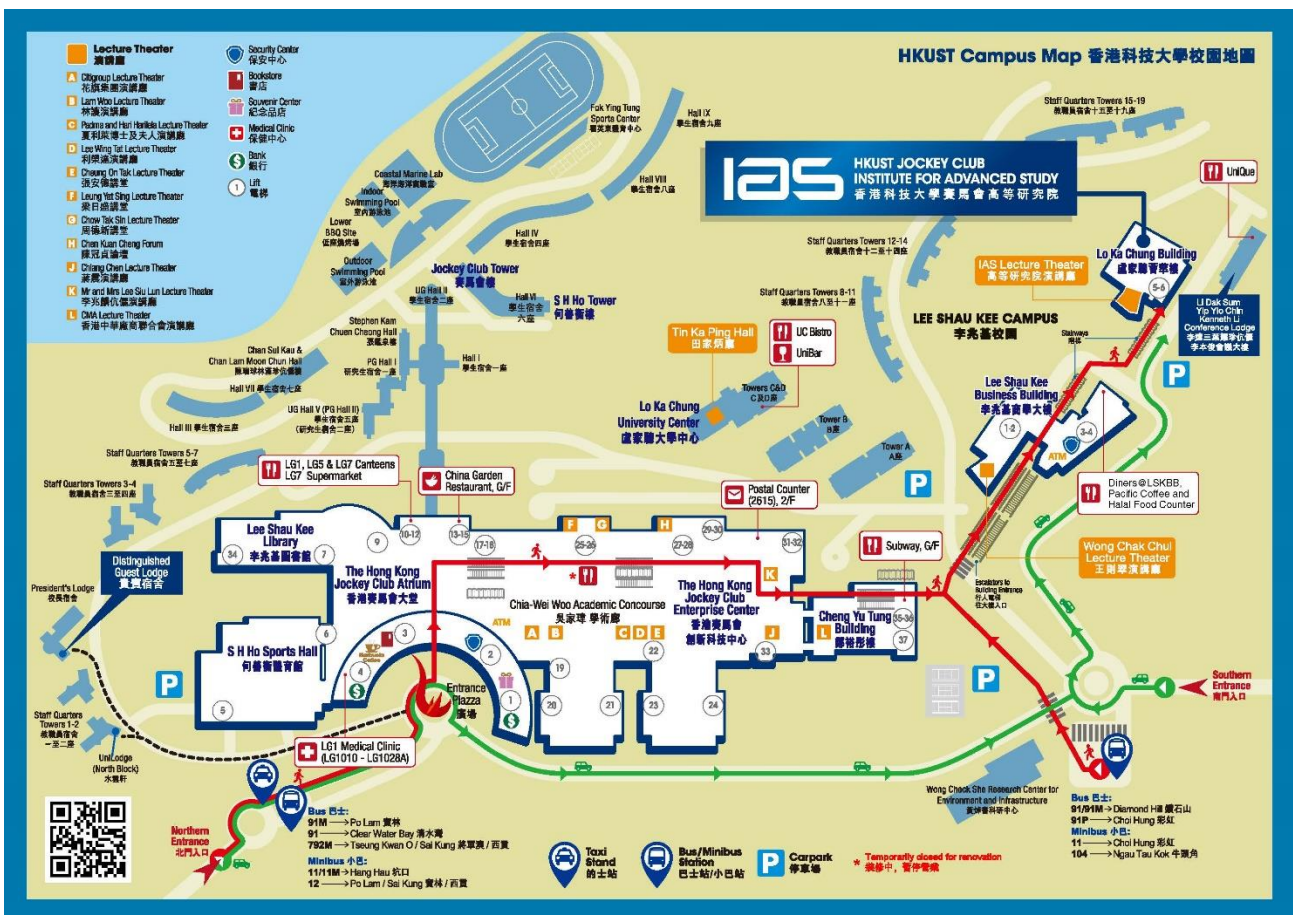
Hot news (Con't)

The 1st International Symposium on Debris flow mechanisms and mitigation for sustainable development, Hong Kong

Date: 2nd December 2018 (Sunday)
Time: 9:00 am - 5:30 pm
Venue: HKUST Jockey Club Institute for Advanced Study
Enquiry: For enquires, please contact Clarence Choi (email: ceclarence@ust.hk)
Registration: No prior registration is required. Seating capacity is provided for approximately 150 people. CPD certificates will be provided after the symposium. If free parking is needed please contact Ms. Shirley Tse (stse@ust.hk).

Synopsis:

Landslides are difficult to predict and monitor. They endanger infrastructure and human lives in mountainous regions worldwide, including Canada, China, Hong Kong, Italy and Switzerland. Understanding landslide mechanisms and developing effective mitigation measures are thus urgently needed. This international symposium aims to advance scientific knowledge of landslide mechanisms and mitigation measures for safe and sustainable development. The sessions will include: (i) interaction between flows and structural countermeasures; (ii) mobility and flow mechanisms; and (iii) risk assessment of landslides.



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Event program

Time	Event
09:00 to 09:05	Opening remarks <i>Charles Ng</i> , President of ISSMGE, Associate Vice-President (Research and Graduate Studies), HKUST
Session 1 (Chairperson: Malcolm Bolton, The University of Cambridge)	
09:05 to 09:35	Flow-like landslides - The need to unify the global experience <i>Luciano Picarelli</i> , Università degli Studi della Campania
09:35 to 10:05	Technical development in natural terrain landslide risk management in Hong Kong <i>Julian Kwan</i> , Geotechnical Engineering Office
10:05 to 10:35	Multiple flexible barrier systems: physical modelling <i>Clarence Choi</i> , HKUST
10:35 to 10:45	Coffee break
10:45 to 11:15	Observations of basal friction in debris flows at the Illgraben catchment, Switzerland <i>Brian McArdell</i> , Swiss Federal Institute for Forest, Snow and Landscape Research
11:15 to 11:45	Flowslides in sensitive clays <i>Serge Leroueil</i> , Laval University
11:45 to 12:00	Discussion
12:00 to 13:00	Lunch break
Session 2 (Chairperson: Luciano Picarelli, Università degli Studi della Campania)	
13:00 to 13:30	New model for analysis of runout <i>Suzanne Lacasse</i> , Norwegian Geotechnical Institute
13:30 to 14:00	Multi-scale, multi-phase modelling of interaction between debris flow and flexible barriers <i>Jidong Zhao</i> , HKUST
14:00 to 14:30	Debris flow modelling for quantitative risk assessments in Western Canada <i>Scott McDougall</i> , The University of British Columbia
14:30 to 14:45	Discussion
14:45 to 14:55	Coffee break
Session 3 (Chairperson: Suzanne Lacasse, Norwegian Geotechnical Institute)	
14:55 to 15:25	Influence of material type on the tribological behavior of grain-to-grain contacts: Experimental study <i>Kostas Senetakis</i> , City University of Hong Kong
15:25 to 15:55	Vegetation succession on landslides in a decade: a lesson learnt for ecological restoration <i>Billy Hau</i> , The University of Hong Kong
15:55 to 16:25	Reliability analysis: A tool for effective landslide risk reduction <i>Farrokh Nadim</i> , Norwegian Geotechnical Institute
16:25 to 16:55	Physical vulnerability models for assessing building damage by debris flows <i>Limin Zhang</i> , HKUST
16:55 to 17:25	Discussion
17:25 to 17:30	Closing remarks <i>Charles Ng</i> , President of ISSMGE, Associate Vice-President (Research and Graduate Studies), HKUST