UNIVERSITY OF MACAU

FACULTY OF SCIENCE AND TECHNOLOGY

DEPARTMENT of

CIVIL AND ENVIRONMENTAL ENGINEERING

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" Mechanism and Mitigation Measures of Landslides "

by

Prof. Li-jun SU

Professor of Geotechnical Engineering, *Institute of Mountain Hazards and Environment, Chinese Academy of Sciences*

Date: **18/12/2016 (SUNDAY)**

Time: **11:00AM – 12:00PM**

Venue: **E11 – 1043**

Abstract

Landslide is a general term used to describe the downslope movement of soil, rock, and organic materials under the effects of gravity. In this presentation, basic types of landslides will be introduced and their characteristics including the mechanism, velocity effects will be analyzed. After that, methods and techniques for investigating and evaluating landslides methods will be briefly introduced. At the end, stabilization and mitigation Measures for different types of landslides will be presented and discussed.

Biography

Lijun Su, PhD, Professor of Geotechnical Engineering at the Institute of Mountain hazards and environment, Chinese Academy of Sciences (CAS). He obtained his Bachelors Degree and Masters Degree in civil engineering at the Xi'an Jiaotong University in 2000 and 2002, respectively. Following that, he earned his PhD degree in geotechnical engineering at the Hong Kong Polytechnic University in 2006. He started his first job at the Xi'an University of Architecture and Technology as an associate professor in 2007. In 2008, he went to Australia and started to work at the University of Wollongong as a research fellow under a CRC project about non-destructive assessment of railway track conditions. He joined the institute of mountain hazards and environment in February 2012 under the "Hundred Talents" Program of the CAS and now is the vice director of the Key Laboratory of Mountain Hazards and Earth Surface Process, CAS. He has broad research interests in geotechnical engineering, including constitutive modeling of geomaterials, numerical analysis of geotechnical problems, laboratory and physical model tests, application of geophysical methods in geotechnical engineering and etc. He is currently working on landslide mechanisms and hazard analysis. He is a scientific editor of the international Journal of Mountain Science and board member of the International Consortium on Landslides. He has published more than 50 journal and conference papers so far.

ALL ARE WELCOME!