



DEPARTMENT OF CIVIL ENGINEERING

SEMINAR

The numerical modeling of dynamic process and forecasting for mountain hazards

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State Key Laboratory of Mountain Hazards and Engineering Resilience
China

Date: September 10, 2024 (Tuesday)

Time: 10:30 a.m. – 11:30 a.m.

Venue: Room 612B, 6/F Haking Wong Building, The University of Hong Kong

Abstract

The prediction the runout of earth-surfaced flow such as landslides, debris flow and floods is very important. Comprehensive analysis of the previous occurred cases is helpful for revealing the related mechanism. Here we will analyse the recent catastrophe disasters and simulate the dynamic process by numerical modeling software Massflow. Based the framework, we have done several insightful simulations of real landslides, debris flows and related earth-surfaced flows. Meanwhile, we will talk about the recent advances about deep learning on dynamic process of earth-surfaced flows.

About the Speaker

Ouyang Chaojun, Professor, deputy director of the State Key Laboratory of Mountain Hazards and Engineering Resilience (under construction). He is a recipient of the Excellent Young Scientists Fund from the National Natural Science Foundation of China, a distinguished member of the Young Innovation Promotion Association of the Chinese Academy of Sciences. His main research direction is numerical simulation and forecasting and early warning research of mountain disasters. He has published more than 50 SCI papers in internationally renowned journals such as The Innovation, Reviews of Geophysics, Landslides, and Engineering Geology. He is also an editorial board member of The Innovation, Landslides, Journal of Mountain Science, and Chinese Journal of Geological Disaster Prevention and Control.

- ALL ARE WELCOME -