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The XIV Congress of the International Association for Engineering Geology and the Environment

Session 13

Advances in Modelling Rainfall-Induced Landslides



Conveners



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Brief Introduction of the Session:

Rainfall-induced landslides are the most common geological hazard in the world, more than 90 percent of landslide events are related to rainfall. From 2012 to 2021, a total of 89,618 geological disasters occurred in China, killing 2,587 people, including 61,475 landslides, accounting for 68.6 percent of the total. For example, Bijie landslide in Guizhou (January, 2022, 14 casualties), Zhonghaicun landslide in Hanyuan (2020, 9 casualties), Dunhao landslide in Chongqing (July, 2020, 6 casualties), and the Luanpanshui landslide in Guizhou (2019, 51 casualties). Modelling Rainfall-Induced Landslides is important for studying slope safety and simulating the process of unsaturated groundwater flow. Such as Green-Ampt model and its improved penetration model, Numerical solutions based on Richard's seepage equation and analytical solutions with specific conditions and other models.

Therefore, application of models in rainfall-induced landslides is one of the most important work in landslides prevention and control. This topic will discuss the following issues, but not limited to:

- Application of different methods in rainfall-induced landslides
- Application of numerical analysis in rainfall-induced landslides
- Multi-field coupling theory of rainfall-induced landslides
- Disaster model and risk analysis of rainfall-induced landslides
- Application of Intelligent monitoring and warning technology in rainfall-induced landslides
- Disaster prevention and mitigation in rainfall-induced landslides

IMPORTANT DATES



Abstract for Oral Presentation and
Poster Submission Deadline

Jun. 30, 2023



Early Bird Registration Deadline

Aug. 10, 2023



Online Registration Deadline

Sept. 21, 2023

SUBMISSION

For the full-length submission

The submission system is now open for full-length papers. The deadline for submission of full-length paper has been extended to May 31, 2023. Please read the guidelines for paper submittal prior to submitting your full-length paper.

Please read the guidelines prior to submitting your full-length paper or long abstract at <https://www.iaeg2023.org/cfp.html>

For the abstract submission

The abstract submission system for oral presentations and posters is open! If you would rather prepare an abstract for an oral or poster presentation, rather than submitting a full paper, please submit your abstract for consideration by June 30, 2023.

Please read the guidelines prior to submitting your abstract at <https://www.iaeg2023.org/cfa.html>



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