

SEPT. 21-27, 2023  
CHENGDU, CHINA

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

Session 10-8

## Engineered Slope Stability and Control



### Conveners



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### Brief Introduction of the Session:

Engineered slopes can be found in various infrastructure and construction projects, including highways and railways, earth dams, excavations, landfills, and open pit mining. Ensuring stability of engineered slopes is of utmost importance because slope failures or landslides that could lead to property damage, infrastructure disruption, environmental hazards, and even loss of life. Therefore, engineered slope stability and its control is an important issue not only in engineering geology but also in civil, hydraulic, and environmental engineering as well as mining. In recent years, significant advances have been accumulated on the fundamental understanding, numerical methodologies, and controlling techniques of engineered slope stability.

In this session, we solicit contributions of presentations on various topics, including but not limited to:

1. Failure mechanisms of various engineered slopes
2. Advanced numerical methods for slope stability analysis
3. Probabilistic approaches and risk mitigation
4. Integrative monitoring and early warning systems of engineered slopes
5. Data-driven and machine learning methods in slope stability analysis
6. The use of remote sensing techniques
7. Innovative slope stability control measures
8. Sustainable and cost-effective solutions for slope stabilization

## 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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