

SEPT. 21-27, 2023
CHENGDU, CHINA

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



Session 3-8

Megacity Geotechnical Engineering under Complicated Geological Conditions

Conveners



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Brief Introduction of the Session:

The rapid expansion and urbanization of megacities across the globe pose unique challenges to geotechnical engineering, especially under complex geological conditions. These urban environments demand innovative, sustainable solutions to ensure safe and efficient construction while minimizing negative impacts on the environment and existing infrastructure. Over the years, there has been a surge in geotechnical disasters in megacities, such as building collapses, landslides, and foundation failures, underlining the need for a better understanding of the underlying geological complexities and effective engineering strategies.

Addressing these challenges requires advancements in science and technology to improve geotechnical engineering practices and ensure the safety and stability of megacity infrastructure. This session will explore, but is not limited to, the following topics:

- Identification and characterization of complicated geological conditions in megacities
- Advanced geotechnical investigation methods and tools for urban environments
- Design optimization and innovative construction techniques for infrastructure projects in complex geological settings
- Sustainable solutions to mitigate risks and minimize environmental impacts of urban geotechnical engineering
- Case studies highlighting the challenges and best practices in geotechnical engineering for megacities under complicated geological conditions
- Future trends and opportunities in geotechnical engineering for sustainable urban development

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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