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CHENGDU, CHINA

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



Session 3-1

Development and Utilization of Urban Underground Space and Adverse Geology

Conveners



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Brief Introduction of the Session:

With the rapid development of urbanization in the world, it inevitably led to several marked issues, as increasing population density, inadequate land resources, and extended traffic jam. How to improve the efficiency of land use, to exploit the urban underground resources, and to promote the urban quality of life have become of key importance for the sustainable development of cities all over the world. At present, development and utilization of urban underground space is facing a series of adverse geological conditions, such as regional land subsidence, karst, active fault, ground fracture, collapsible loess, soft clay, saturated sand gravel layer, thus hindering the exploitation and utilization of underground space, and bringing the obstacles towards the construction of livable cities. The scope of this session is to introduce the latest research on the development and utilization of urban underground space, with focus on the effects of geological environment and the associated solutions of adverse geological conditions. The purpose of this session is to enhance the ability of exploiting the urban underground resources subjected to adverse geological conditions, to ensure the safe operation and maintenance of urban underground space, and to promote sustainable development of cities.

This topic will discuss the following issues, but not limited to:

- Urban adverse geology, causes and development of the associated disasters
- Influence mechanism of urban adverse geology on underground space engineering
- Urban adverse geological detection, monitoring, construction methods, and construction technology
- Theory and key technology of underground space engineering prevention and control influenced by adverse geology
- Major engineering cases in the development and utilization of underground space in urban adverse geology

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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