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CHENGDU, CHINA

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

Session 4-11

Waste Containment Facilities and Relevant Environmental Geotechnics



Conveners



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Brief Introduction of the Session:

Waste Containment Facilities (WCF) are the dominant option for waste disposal around the world. In global, 2 billion tons of municipal solid waste and 7-10 billion tons of 'urban' solid waste from households, commerce, industry and construction were collected per year. In China, nearly 60 billion tons of solid waste were stored, which would be 5 cm thick if it were laid flat on land. In recent decades, landfill management technology has developed from passive control to active regulation to sustainable prevention and control. More attention is paid to the interaction between WCF and multiple layers, such as rock and soil, water, biological and atmospheric. It involves multiple disciplines, such as geology, geotechnics, environment and biology, as well as the application of emerging technologies such as space-sky-surface integrated monitoring, big data and artificial intelligence.

In this session, we will discuss new theories and methods, new technologies and WCF cases and related environmental geotechnical engineering. This topic will discuss the following issues, but not limited to:

- Geological and ecological environmental effects and risk assessment methods of WCF
- Geological and environmental disasters, sustainable prevention and control of pollution
- Control and restoration of underground water and soil pollution under WCF
- Sealing and ecological restoration of WCF sites
- Redevelopment of WFC sites and carbon emission reduction
- Application of emerging technologies in WCF management

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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