

SEPT. 21-27, 2023  
CHENGDU, CHINA

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

Session 4-2

## Engineering Barriers



### Conveners



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### Brief Introduction of the Session:

With the process of industrialization and urbanization, a large amount of contaminants have been added to the upper soil layers and have led to contamination of the soil and the groundwater. However, it was not until the late 1970s that several notorious cases of contaminated sites led to a sudden awareness to the general public. As land resources are non-renewable, scientific management of contaminated sites is essential to human beings and environment. Over the past decades, technologies of contaminated sites control have significantly progressed, among which engineering barriers have been widely used, including but not limited to covers, liners, vertical barriers, permeable reaction barriers. The purpose of this session is to invite discussion papers and lectures on the most recent progress of engineering barriers.

The breakthrough of engineering barriers determines its service life, which is a complicated problem and is related to the materials, structure, construction and operation of barriers, the hydrological and geological conditions of the environment. This topic will discuss the following issues, but not limited to:

- Characterization of novel barrier materials
- Novel barrier structures
- In situ and laboratory testing methods
- Analytical and numerical models of contaminant migration
- Barrier design method and construction technologies
- Practical challenges encountered in engineering barriers

## 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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