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

Session 4-4

Atmosphere-plant-soil Interactions



Conveners



Anthony Kwan Leung

The Hong Kong University of Science and Technology, Hong Kong SAR, China



Dongri Song

Institute of Mountain Hazards and Environment, Chinese Academy of Sciences, China



Viroon Kamchoom

King Mongkut's Institute of Technology Ladkrabang, Thailand



Qing Cheng

Nanjing University, China

Brief Introduction of the Session:

As a result of climate change and increasing engineering activities, soil-related disasters such as slope failures and sandstorms have become more frequent worldwide. These disasters have caused not only loss of lives, but also have led to serious economic losses as well as ecological and environmental damage. To sustain mankind, a new discipline, eco-geotechnics, has rapidly become established and developed in recent years. Atmosphere-plant-soil interactions are of vital importance in the eco-geotechnics. Climate change has a direct impact on atmospheric conditions, including temperature, relative humidity, rainfall, wind, radiation, and the concentration of carbon dioxide (CO₂). Plants are sophisticated and intelligent natural construction materials. They can be used for enhancing the stability of shallow soil slopes and minimizing surface erosion. It is evident that the use of plants can be low-cost, sustainable and environmentally friendly. Plant performance and soil behaviour interact closely with these changes in the atmospheres.

This session welcomes oral or poster presentations on the theoretical analysis, laboratory tests, physical and numerical modelling, field survey and monitoring, risk assessment related to the atmosphere-plant-soil Interactions.

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>



www.iaeg2023.org

Tel: +86-28-84073193 / +86-135 4003 2551

E-mail: info@iaeg2023.org; IAEG2022@cdut.edu.cn