

13:20-15:00 Wednesday Oct. 31 2018

Application of Geosynthetics in Geo-environmental Engineering I

**Chairs: Chih-Ping Lin, Haijian Xie
Room: Xiyuan III + IV**

1. Effect of consolidation on VOC transport through a GM/GCL composite liner system

Hefu Pu(China), Charles D. Shackelford, Patrick J. Fox*

2. Effect of GCL on Moisture and Temperature Fields of Highway Subgrade through Numerical Analysis

Feng Liu, Zhibin Liu (China), Feng Yin, Shujian Zhang, Yi Wang*

3. A review of experimental and prediction methods for assessing the freezing characteristic curve of GCLs

G. G. Carnero-Guzman (Australia), A. Bouazza, W. P. Gates, R. K. Rowe*

4. Failure mechanism of two-stage mechanically stabilized earth walls on soft ground

Xu Zhang, Jianfeng Chen (China), Junxiu Liu*

5. Resilience of Australian polymer-modified powdered sodium bentonite geosynthetic clay liners to downslope bentonite erosion

Will P. Gates (Australia), Daniel Gibbs, Marc Amstberg*

6. Experimental study of shear strength of geosynthetic clay liner for monotonic loading

Jiyun Chang (China), Shijin Feng, Yang Shen, Hao Shi, Jialiang Shi*

7. Failure analysis of reinforced foundation using transparent soils

J.F. Chen (China), X. P. Guo, J. F. Xue, P. H. Guo*

8. Hydraulic Conductivity of Bentonite-Polymer Geosynthetic Clay Liners to Coal Combustion Product Leachates

Jiannan Chen (China), Kuo Tian, Craig H. Benson*

9. The Properties of Reinforced Retaining Wall under Cyclic Loading

Lihua Li, Junchao Yang, Zhi Hu (China), Henglin Xiao, Yongli Liu*

10. A solution to estimate stresses in backfilled stopes by considering self-weight consolidation and arching

Jian Zheng (Canada), Li Li*