

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

Engineering Barriers III

Chairs: Francesco Mazzieri, Yuchao Li

Room: Xixi I

1. Multiscale Research on Gas Migration Properties in Bentonite Barrier for Radioactive Waste Disposal

Hong-Yang Ni, Jiang-Feng Liu, Jing-Na Guo, Xu-Lou Cao, Shuai-Bing Song, Jiang-Feng Liu (China)*

2. Hydraulic conductivity and sorption capacity of special barrier materials in inorganic solutions

Evelina Fratalocchi (Italy), Jonathan Domizi, Francesco Mazzieri*

3. Hydraulic conductivity of modified bentonites after wet and dry cycles

Ms. De Camillis (Belgium), G. Di Emidio, A. Bezuijen, R. D. Verastegui Flores*

4. Inducing Hydrophobicity to Improve Long Term Performance of Kaolinite Clay

Aisha M. S. Haquie (USA), Megan L. Hart*

5. Influence Factors of Swelling Characteristics of GMZ Bentonite

Yufeng Gao (China), Yuemiao Liu, Jingli Xie, Shengfei Cao, Like Ma, Qiang Tong*

6. Laboratory investigation of anisotropic shrinkage of HLW buffer block: An attempt using digital image correlation method

Huyuan Zhang (China), Yu Tan, Dongjin He, Gang Luo*

7. A simplified third-type inlet boundary condition solution for contaminate transport through slurry cut-off walls

Guan-Nian Chen, Yu-Chao Li (China), Han Ke*

8. Influences of Effective Confining Stresses on the Chemical Compatibility of Backfills for Soil-Bentonite Cutoff Walls

Haoqing Xu (China), Wei Zhu, Shengwei Wang, Shi Shu, Xihui Fan*

9. Synthesis and characterization of geopolymers from coal gangue, fly ash and red mud

Kunga Dondrob, Nevin Koshy, Qingbo Wen, Liming Hu (China)*

10. Unsaturated hydraulic conductivity of compacted bentonite – Revisit of microstructure effects

Tian Chen, Majid Sedighi (China), Andrey Jivkov, Uresh C. Seetharam*

