

**15:20-17:00 Wednesday Oct. 31 2018**

**Tailings and Mine Wastes**

**Chairs: Yaolin Yi, Lingling Zeng**

**Room: Xixi I**

**1. Pore Size Distribution and Hydraulic Conductivity Characteristics of Solidified Sewage Sludge**

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

**2. Effects of permeable reactive barriers for treating uranium mine pit water**

*Nana Li\* (China)*

**3. Numerical model for electro-osmotic drainage in unsaturated soils**

*Liujiang Wang\* (China), Sihong Liu, Yaoming Wang, Chenyang Xue*

**4. Study on Consolidation Behaviors of Waste Slurry by Using Vacuum Filtration Test**

*Bin Zhang\* (China), Liangtong Zhan*

**5. One-dimensional Model for Sedimentation and Consolidation of Tailings Slurry**

*Yijie Wang, Dantong Lin, Liming Hu\* (China)*

**6. A numerical study of the effect of wick drains applied in mine stopes with paste fill**

*Pengyu Yang\* (China), Li Li, Gengshe Yang*

**7. Study on Dynamic Characteristics of Over-wet Loess Modified by Red Mud under Cyclic Loading**

*Xiaoqiang Dong\* (China), Ruifeng Chen, Gaoyuan Tian*

**8. The Effects of Meta-kaolin on pH, Electric Conductivity (EC) and Ca<sup>2+</sup> ions Consumption of Lime-Treated Laterite**

*Gideon M. Limunga, Yun-zhi Tan\* (China)*

**9. Droplet interaction with hydrophobic granular materials: an insight with the Lattice Boltzmann method**

*Kang Hengyi, Sérgio D. N. Lourenço\* (Hong Kong SAR), Ryan Yan*

**10. Effect of Additives on Consistency Limits of Red Mud Waste: A Comparative Study**

*N. Gangadhara Reddy\* (India), B. Hanumantha Rao*

**11. Optimization of disposal areas by studying of the mining rock waste granulometry of an iron mine**

*Christ Jesus Barriga Paria\* (Brazil), Hernani Mota de Lima, Eleonardo Lucas Pereira*

**12. Technological characterization of tailings from iron and gold mining with a geoenvironmental focus for reuse in geotechnical application**

*Thaís Guimarães dos Santos\* (Brazil), Luís Fernando Ribeiro Martins, Evelin Rodriguez Sosa*