

**13:30-15:20 Tuesday Oct. 30 2018**

**Transport, Persistence and Fate of Pollutants I**

**Chairs: Kristin Sample-Lord, Hefu Pu  
Room: Boardroom**

**1. Experimental study of the factors influencing heptane volatilization from sands**

*Qibing Wei, Zhibin Liu\* (China), Songyu Liu, Yi Wang, Boyan Mao, Feng Liu*

**2. Column Percolation Tests for Evaluating the Leaching Behavior of Marine Sediment Containing Non-anthropogenic Arsenic**

*Toru Inui\* (Japan), Mutsumi Hori, Atsushi Takai, Takeshi Katsumi*

**3. Semi-analytical model for methane transport and oxidation through landfill compacted clay liner (CCL) cover**

*Qiao Wang, Jiawei Wu, Haijian Xie\* (China)*

**4. A non-equilibrium adsorption model based on irreversible thermodynamics**

*Zhihong Zhang\* (China), Wenlong Qin, Jiawei Zhang, Zhaogang Xu, Fei Guo*

**5. Benchmarking of FEHM Control Volume Finite Element Solver**

*M. D. Fredlund\* (Canada), Shawn Meng, George A. Zyvolosk, Philip H. Stauffer, Shlomo Orr*

**6. Lead adsorption on rice husk as a function of pH control**

*Paulo Scarano Hems\* (Brazil), Diego Diez Garcia*

**7. Experimental study on two-dimensional hydrodynamic dispersion of soluble pollutants in soil**

*Liang Chen\* (China), Jianjian He, Haixing Hu*

**8. Changes in swelling pressure and permeability of bentonite caused by ion exchange of montmorillonite**

*Yasutaka Watanabe\* (Japan), Shingo Yokoyama*

**9. Accumulation of ammonia via electrodeionization barrier for the groundwater denitrification**

*Xiao Feng, Xu Yang, Wen Liao, Qiong Ren, Haoyue Zheng, Zucheng Wu\* (China)*

**10. Adsorption of Cadmium from Aqueous Solutions onto Activated Carbon and Recycle Materials**

*Xiaofeng Liu, Xin Xu, Xiaoqiang Dong\* (China), Junboun Park\* (Korea)*

