

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

Contaminated Land and Remediation Technology I

**Chairs: Fei Jin, Yanjun Du
Room: Xixi II**

1. Sorption kinetics used in design calcite permeable reactive barrier

Daichao Sheng (Australia)*

2. Laboratory study of the detection of metal contaminated clay layer using four-electrode resistivity cone

Ya Chu, Songyu Liu (China), Guojun Cai, Hanliang Bian, Lei Xu*

3. Syntheses and characterization of Titanium encapsulated Alumino-Silicate Microspheres (TiAS300/500): Promising materials for the removal of azo dyes from groundwater

Venkataraman Sivasankar (Japan), Kiyoshi Omine*

4. Breakthrough curve modelling of ZSM-5 zeolite packed fixed-bed columns for the removal of MTBE

Yunhui Zhang (UK), Fei Jin, Zhengtao Shen, Rod Lynch, Abir Al-Tabbaa*

5. Self-powered redox fuel cell as feasible permeable reactive barrier for the removal of phenol

Binbin Yu, Wei Xu, Xu Yang, Huimin Zhang, Zheng Fan, Zucheng Wu (China)*

6. In-situ generation of active oxidants in permeable reactive barriers

Xu Yang, Jingbo Yang, Qin Hai Hu, Min Xia, Zucheng Wu (China)*

7. Experimental study on influencing factors of soil vapor extraction in toluene-contaminated sandy soils

Bai-Yang Mao, Zhi-bin Liu (China), Song-Yu Liu, Qi-Bing Wei*

8. Remediation of TCE contaminated site by ozone micro-nano-bubbles

Zhiran Xia, Liming Hu (China), Shusaku Kusaba, Dejun Song*

9. Enriching Indigenous Ureolytic Bacteria in Coastal Beach Sand

Yi-Jie Wang, Xiao-Le Han, Ning-Jun Jiang (USA)*

10. Toxicity evaluation of nano-zero valent iron to soil indigenous microorganisms

Iziquiel Cecchin (Brazil), Eloisa Fernanda Tessaro, Cleomar Reginatto, Antonio Thomé, Krishna R. Reddy*