

**15:50-17:40 Tuesday Oct. 30 2018**

**Geotechnical Recycling and Reuse of Waste Materials II**

**Chairs: Maria E. G. Boscov, Yufeng Gao**  
**Room: Xiyuan III + IV**

**1. Adsorption Models of Groundwater Remediation by Nanoscale Zero Valent Iron**

*Dantong Lin, Zifu Zhang, Liming Hu\* (China)*

**2. Combination of porous ecological concrete and geocell in riverbank protection**

*Y. Zhuang\* (China), H. L. Xiao*

**3. Influence of TDA as Alternative Fine Aggregates on Engineering Properties of Low Strength Concrete**

*Zhaohui Li\* (China), Jianxun Shi, Mingqiang Wei, Junjie Xuan*

**4. Management of the soils discharged from shield tunnel excavation using information and communication technology**

*Muneyuki Yamana\* (Japan), Yasuo Tomizawa, Teruyuki Fujiwara, Kazuma Mizuta, Katsumi Mizuno, Toru Inui, Takeshi Katsumi, Masashi Kamon*

**5. Recycling application of the construction waste in silt subgrade: A Case study**

*Xin Jin, Haoran Zhu, Yongfeng Deng\* (China), Qi Feng*

**6. Effect of adsorbent dosage to adsorbate concentration ratio on the adsorption of cd(II) on coal gangue**

*Zili Tang, Hui Wu, Qingbo Wen, Liming Hua\* (China)*

**7. Status and Opportunities for Materials Recovery from Municipal Solid Waste in Kathmandu Valley, Nepal**

*Dhundi Raj Pathak\* (Nepal), Bandita Mainali*

**8. Consolidation of dredged sediments in a confined disposal facility: hydraulic conductivity constitutive relations**

*Mirko Felici\* (Italy), Jonathan Domizi, Evelina Fratolocchi*

**9. Experimental Research on Recycled Concrete Road Base of Geopolymer Technology**

*Y. Zhuang\* (China), H. L. Xiao*

**10. Experimental Study on Recycling of Waste Concrete Based on Geopolymer Technology**

*Zhi Duo Zhu, Su En Gu\* (China), Zhen Tang, Lei Song*

**11. Effect of crumb rubber on the mechanical properties of crushed recycled pavement materials**

*Mohammad Saberian, Jie Li\* (Australia)*

**12. Influence of biochar obtained from invasive weed on infiltration rate and cracking of soils: An integrated experimental and artificial intelligence approach**

*Phani Gopal, Raval Ratnam, Muhammad Farooq\* (India), Ankit Garg, Nirmali Gogoi*