

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

Geotechnical Recycling and Reuse of Waste Materials I

Chairs: Antonio Jose Roque, Zhonghui Zhao

Room: Xiyuan III + IV

1. Application of soil improvement material using recycled gypsum considering the environmental safety

Kenichi Sato (Japan), Takuro Fujikawa, Chikashi Koga*

2. Effects of lime stabilization on hydraulic behavior of Finnish soft sensitive clays

M. Di Sante (Italy), F. Giorgetti, B. Di Buò, T. Länsivaara, E. Pasqualini*

3. Geotechnical Parameters of Mixtures of a Tropical Soil with Water Treatment Sludge

Edy L. T. Montalvan (Brazil), Maria E. G. Boscov*

4. Study on three-dimensional micro-porosity of solidified sludge under biodegradation based on ArcGIS technology

Lei Li (China), Jinxiang Yi*

5. A Rheological Approach for the Evaluation of Geotechnical Use of Water Treatment Sludge

Juliana K. Tsugawa (Brazil), Roberto C. de O. Romano, Rafael G. Pileggi, Maria Eugenia G. Boscov*

6. Engineering Performance and its Mechanism of Expansive Soils Modified by Adjusted and Activated Steel-Slag

Jun Wu, Qianwen Liu, Yongfeng Deng (China), Qi Feng*

7. Evaluation and optimization of the granulated blast furnace slag-natural sand mixture hardening properties

Tomomi Sakata (Japan), Noriyuki Yasufuku, Ryohei Ishikura*

8. Evaluation of Environmental Safety on Municipal Solid Waste Incineration Bottom Ash using Aging Method

Takuro Fujikawa (Japan), Kenichi Sato, Chikashi Koga, Hirohumi Sakanakura*

9. Feasibility of Reuse of Bottom Ash from MSW Waste-to-Energy Plants in India

Garima Gupta (India), Manoj Datta, G. V. Ramana, B.J. Alappat, Shashank Bishnoi*

10. Lead Adsorption by Biomass and Weathered Coal Fly Ashes

Xenia Wirth (USA), N. N. Nortey Yeboah, Susan Burns*

11. Experimental study on mix proportioning methodology for porous ecological concrete

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

12. Stabilization/Solidification of Ladle Slag in Cement-stabilized Clay

Bo Xu, Kimberly Sze Ern Yeap, Yaolin Yi (Singapore)*