

International Hybrid Session

FA 3R / Waste management

【 November 3, Thursday 15:15 - 16:45 Short oral presentation, 17:00 - 18:15 Poster presentation 】

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| | FA-1 | Cost analysis of municipal solid waste in several Indonesian major cities
○Irwan Ridwan Rahim, Hirofumi Nakayama, Takayuki Shimaoka (Kyushu University) |
| KS | FA-2 | Ultimate anaerobic biodegradability of animal manure and forage crops
Ji-Hyun Jeong, ○Ho Kang (Chungnam National University)
Seung-Heon Lee (Korea Rural Research Institute) |
| KS | FA-3 | A study on reasonable treatment way of sediment sludge in Young San Lake
○JeeJune Song, JiYong Kim, Young Byum Jo (Mokpo National University)
Hee Gune Kim, Hyun Sik Park (Jeollanam-Do Government)
Mun Il Jung (Nam Bu Ennvi. Co. Ltd.) |
| | FA-4 | KitaQ system composting and its applicability in Asia: Lessons learned and future potential
○D.G.J. Premakumara, Hirohata Kazuyoshi (Institute for Global Environmental Strategies (IGES)
Eriko Tamura (JICA) |
| | FA-5 | Alternative solid waste management for Putrajaya Malaysia towards low-carbon society
○Siti Norbaizura Md. Rejab, Tomohito Hamada, Takeshi Fujiwara (Okayama University) |
| | FA-6 | Survey on household and commercial waste composition and strategy of household waste collection by state authority in Republic of Palau
○Eri Ito, Takeshi Fujiwara (Okayama University)
Mengkur W. Rechelulk (Palau National Government) |
| KS | FA-7 | Estimation of recyclable wastes discharge system in C city
○Joo-Yong Lee, Sung-Keun Bae (Changwon National University) |
| | FA-8 | Household waste generation and relevant factors in Hue city, Vietnam
○Do Thi Thu Trang, Yasuhiro Matsui, Nguyen Phuc Thanh, Ngo Thi My Yen (Okayama University) |
| | FA-9 | A preliminary survey on residential solid waste generation and door-to-door collection by using GIS/GPS: a case study in Can Tho city, Vietnam
○Nguyen Phuc Thanh, Yasuhiro Matsui (Okayama University)
Nguyen Thi Lanh (Can Tho University) |
| | FA-10 | Calculation of food loss by food consumption behavior in food supply chain of Japan
○Munsol Ju (National Institute for Environmental Studies, Tokyo Institute of Technology)
Masahiro Osako (National Institute for Environmental Studies) |

FB Recycle

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| KS | FB-1 | Mechanical property of the concrete and quality performance of the dredged sand produced by washing and sorting system
○SangSoo Lee, Ha Young Song, YunSeong Lee, KangPil Lee (Hanbat National University)
TaekMoo Jang (Korea SanYang Environment Co., Ltd.) |
| KS | FB-2 | A study on energy characteristics on the carbonization residue derived from the mixture of woody waste and swine manure
○Seung-Whee Rhee, Hyo-Hyun Choi, Hun-Su Park (Kyonggi University) |
| KS | FB-3 | Energy conversion from livestock wastewater by the anaerobic-autothermal aerobic process
○Sang-min Han, Jin-seok Lee, Tae-Kyu Eom (Kyung Sung University) |
| KS | FB-4 | Effect of SiO₂/Na₂O mole fraction on physical property of geopolymer foam block made from mine residue
○A-Ram Oh, Woo-Keun Lee (Kangwon National University) |
| | FB-5 | Scenario analysis of composting application on municipal solid waste management in Phnom Penh
○Bunrith Seng, Hidehiro Kaneko (University of Yamanashi) |
| KS | FB-6 | Using the waste wood CMC manufacturing techniques for improving the pretreatment of enzyme hydrolysis
○Beomsoo Kim, Ishan Gulati, Sangwon Park, Hoyong Jo, Jin-Won Park (Yonsei University) |
| KS | FB-7 | A study on the mechanical properties on cement type and blast furnace slag fineness of mortar
○GyuYong Kim, KyoungSu Shin (Korea Chungnam National University) |

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FC Thermal treatment

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- KS FC-1 The study on the oil separation of fry-dried coal by a centrifugal machine**
○Jongseong Chae, Jaeho Lim, Jinhee Yun, Taein Ohm (Hanbat National University)
Seunghyun Moon (KIER)
- KS FC-2 Thermal characteristics of Kideco coal ash & slag in the 3t/d entrained coal gasifier**
○Bongjin Jung, Nayeon Lee, Wonjun Nam, Kyunghoon Kim, Chan Lee (The University of Suwon)
Yongseung Yoon (Plant Engineering Center, Institute for Advanced Engineering)
- KS FC-3 Characteristics of solid materials sampled in the bench scale entrained coal gasifier**
○Nayeon Lee, Bongjin Jung, Wonjun Nam, Kyunghoon Kim, Chan Lee (The University of Suwon)
Yongseung Yoon (Plant Engineering Center, Institute for Advanced Engineering)
- KS FC-4 Hydrogen chloride (HCl) and sulfur oxides (SOx) generation characteristics from refuse derived fuel (RDF) incineration**
○Weon Joon Lee, Choi Yong Hwan (Chonnam National University)
Oh Sub Yoon (Hanbat National University)
- FC-5 Cedar wood gasification for chemicals/energy generation - A parametric study**
○Katsuya Kawamoto, Salah Aljbour (National Institute for Environmental Studies)

FD Landfill

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- FD-1 Investigation of perfluorinated compounds in final disposal site**
○Mitsuyasu Takata, Nobuhisa Watanabe (Osaka Institute of Technology)
Shusuke Takemine, Chisato Matsumura (Hyogo Prefectural Institute of Environmental Sciences)
Takeshi Nakano (Osaka University)
- FD-2 A comparison of leaching behaviours of construction and demolition waste residues from the intermediate-scale lysimeters with different length/width ratios**
○Hee-Jong Kim, Kazuto Endo, Masato Yamada (National Institute for Environmental Studies)
Qaing Tang (Kyoto University)

FE Hazardous waste

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- FE-1 Removal of PCDD/Fs from sediment by indirect heating treatment: Use of charcoal as a thermal source and adsorbent**
○Long Zhao, Kanae Iwasaki, Akihiko Terada, Masaaki Hosomi (Tokyo University of Agriculture and Technology)
- FE-2 Degradation of polychlorinated naphthalene (PCN) by mechanochemical treatment**
○Sho Aono, Masaaki Hosomi, Akihiko Terada (Tokyo University of Agriculture and Technology)
Takashi Yamamoto (National Institute for Environmental Studies)
Yukio Noma (Fukuoka Women University)
Yugo Nomura (Japan Quality Assurance Organization)
- FE-3 Mercury dispersion prediction of the coast area of Japan Sea by AIST-ADMER and HYSPLIT model**
○Khandakar Md Habib Al Razi, Moritomi Hiroshi (Gifu University)

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