



The 8th China-Japan Joint Conference on Material Recycling and Solid Waste Management

Sep.16-20, 2017, Hangzhou, China



浙江工商大学
ZHEJIANG GONGSHANG UNIVERSITY

环境科学与工程学院
School of Environmental Science and Engineering



Organizer



浙江工商大学
ZHEJIANG GONGSHANG UNIVERSITY

Co-organizer



KYUSHU
UNIVERSITY

Sponsors



日立造船株式会社



Saturday, Sep.16th, 2017

Full day	<p align="center">Registration <i>Gejiang Weijia Hotel</i> <i>Hint: Sunflowers are in bloom in ZJGSU flower field, 200 m far from Gejiang Weijia Hotel</i></p>
18:00	<p align="center">Welcome party <i>Gejiang Weijia Hotel</i></p>

Sunday, Sep. 17th, 2017

International Convention Center, Zhejiang Gongshang University

08:30-08:35	<p align="center">Opening greeting Dongsheng SHEN, Prof., Dean of SESE, ZJGSU</p>
08:35-08:45	<p align="center">Welcome speech Wenzhan DAI, Prof., Vice president of ZJGSU</p>
08:45-09:00	<p align="center">Photographing <i>Front door of International Convention Center</i></p>

Session 1: Landfill process, 09:00-10:15

Chair: Qunhui WANG, Prof., University of Science and Technology Beijing

Time	Presenter	Title
09:00-09:15	Dan LIU, Southwest Jiaotong University	Impact of landfill density on transport and hydraulic characteristics of recirculated leachate
09:15-09:30	Hirofumi NAKAYAMA, Kyushu University	Estimation of tensile stress on capping liner of waste storage sites by using SfM-based 3D modeling
09:30-09:45	Weihua LI, Qingdao University of Technology	Contributions of nitrification and denitrification to N ₂ O emissions from aged refuse bioreactor at different feeding loads of ammonia substrates
09:45-10:00	Liyang SONG, CIGIT, Chinese Academy of Science	Antibiotics and antibiotic resistance genes in landfill
10:00-10:15	Jun WU, Nanjing University	The study of time-to-space conversion efficiency based on microunit bioreactor landfill process
10:15-10:30	Kentaro MIYAWAKI, Meisei University	Neutralization of high pH leachate by atmospheric CO ₂ on the contact material layer
10:30-10:45	Break	

Session 2: Incineration residue, 10:45-12:15		
Chair: Kentaro MIYAWAKI, Prof., Meisei University		
Time	Presenter	Title
10:45-11:00	Takayuki SHIMAOKA, Kyushu University	Application of superfluidized treatment to landfilling of municipal solid waste incineration residues (MSWIRS)
11:00-11:15	Huawei WANG, Qingdao University of Technology	Leaching behavior of toxic metals from stabilized MSWI fly ash using citric acid
11:15-11:30	Shenglei LIN, Tokyo Institute of Technology	Water Retention Capacity of Coal Fly Ash treated by some inorganic reagents
11:30-11:45	Yue MU, Kyushu University	Utilization of waste natural fishbone for heavy metal stabilization in municipal solid waste incineration (MSWI) fly ash
11:45-12:00	Teng LI, University of Science and Technology Beijing	Impacts of various acids and their concentrations on leaching behavior of chlorine from fly ash under different conditions
12:00-12:15	Hiroki KITAMURA, Tokyo Institute of Technology	Micro-scale characterization of individual chelate-treated municipal solid waste incineration fly ash particles employing acid extraction
12:15-13:30	Lunch <i>Gejiang Weijia Hotel</i>	

Session 3: Recycling, 13:30-14:45		
Chair: Ziyang LOU, Prof., Shanghai Jiao Tong University		
Time	Presenter	Title
13:30-13:45	Jianlong WANG, Tsinghua University	Biohydrogen production using waste activated sludge disintegrated by gamma irradiation
13:45-14:00	Huiyu DING, Nanjing University	Reuse of aged refuse as a substrate in vertical-horizontal hybrid constructed wetlands for municipal sewage treatment
14:00-14:15	Tao ZHOU, Tongji University	Synergies of composites hydrogels via inorganic-organic hybrids based on leftover rice for environmentally friendly controlled-release urea fertilizers
14:15-14:30	Siyuan YUE, University of Science	Recovery the accumulated lactic acid inside distillery waste in food waste ethanol

	and Technology Beijing	fermentation and its effect
14:30-14:45	Yufeng JIA, Zhejiang Gongshang University	High-performance microbial fuel cell anodes obtained from sewage sludge-derived carbon
14:45-15:00	Break	

Session 4: Food waste, 15:00-16:30		
Chair: Jianlong WANG, Prof., Tsinghua University		
Time	Presenter	Title
15:00-15:15	Xiaoqin YU, Zhejiang Gongshang University	Improvement of acidogenic fermentation for volatile fatty acid production from protein-rich substrates in food waste
15:15-15:30	Yan JIA, University of Science and Technology Beijing	Effect of potential hazardous waste on performance of MFC for distillery waste from food waste ethanol fermentation
15:30-15:45	Ming GAO, University of Science and Technology Beijing	High efficient direct bio-butanol production from starchy food wastes by clostridium saccharoperbutylacetonicum N1-4
15:45-16:00	Lei LI, Chongqing University	Microbial management of anaerobic digestion: Challenge and prospects
16:00-16:15	Xiaoyu MA, University of Science and Technology Beijing	Feasibility study of lipid production using food waste saccharifying liquid as substrate
16:15-16:30	Yanan WANG, Qingdao University of Technology	Key internal factors leading to the variability in CO ₂ fixation efficiency of different sulfur-oxidizing bacteria during autotrophic cultivation process
16:30-16:45	Break	

Session 5: Waste management, 16:45-18:00		
Chair: Yingjie SUN, Prof., Qingdao University of Technology		
Time	Presenter	Title
16:45-17:00	Ziyang LOU, Shanghai Jiao Tong University	The novel identification environmental protection zone for the waste disposal combined the resident diaries statistics and physical model
17:00-17:15	Hideki YOSHIDA, Muroran Institute of Technology	Characteristics of disaster wastes from typhoons in Hokkaido
17:15-17:30	Xiaohui WU, Chinese Research	Generation characteristics of domestic waste in the rural area of China

	Academy of Environmental Sciences	
17:30-17:45	Xiaoming WANG, Chongqing University	What are the best values for carbon dissimilation factors for landfilled harvested wood products?
17:45-18:00	Ting CHEN, Zhejiang Gongshang University	Comprehensive evaluation of environ-economic benefits of anaerobic digestion technology in an integrated food waste-based methane plant using a fuzzy mathematical model
18:00	Dinner <i>Gejiang Weijia Hotel</i>	

Monday, Sep. 18th, 2017

International Convention Center, Zhejiang Gongshang University

Session 6: Sludge and hazardous, 08:30-09:45 Chair: Hirofumi NAKAYAMA, Dr., Kyushu University		
Time	Presenter	Title
08:30-08:45	Yu TIAN, Harbin Institute of Technology	Performance of a novel iron based perovskite anode for solid oxide fuel cell (SOFC) fueled by sludge pyrolysis syngas
08:45-09:00	Panli WANG, Shanghai Jiao Tong University	Sludge dewatering and carbon preparation using the solar drying and pyrolysis system
09:00-09:15	Boran WU, Tongji University	Mixed hydrolysis enzyme as an environmentally friendly conditioner for enhanced dewatering of waste activated sludge
09:15-09:30	Haoran ZHANG, Nanjing University	Experimental study on incineration leachate treatment by two-phase anaerobic system
09:30-09:45	Shijin DAI, Tongji University	Reclamation of heavy metals from contaminated soil using organic acid liquid generated from food waste: removal of Cd, Cu, and Zn, and soil fertility improvement
09:45-10:00	Break	

Session 7: Gaseous pollution, 10:00-11:15 Chair: Xiaoli CHAI, Prof., Tongji University		
Time	Presenter	Title
10:00-10:15	Zhaowen CHENG,	Odor emissions distinguishment and health risk

	Shanghai Jiao Tong University	assessment from waste landfilling and composting
10:15-10:30	Quang Huy VU, Muroran Institute of Technology	Study on landfill gas components and temperatures in a semi-aerobic sanitary landfill
10:30-10:45	Wengang ZHANG, EBARA Qingdao Co., Ltd	Application and operation report of flue gas treatment technology in chinese waste incineration project
10:45-11:00	Takeshi YAMASAKI, Kurita Water Industries LTD.	A newest flue gas treatment chemicals for environmental load reducing in MSW
11:00-11:15	Siyuan ZHANG Zhejiang Gongshang University	Effects of aeration and leachate recirculation on methyl mercaptan emissions from landfill
11:15-12:00	Closing remarks and arrangement of CJC 2018 Takayuki SHIMAOKA, Prof., Kyushu University	
12:00-13:30	Lunch <i>Gejiang Weijia Hotel</i>	
13:30-20:00	Sightseeing in Wuzhen (乌镇) <i>Hint: Free time without gathering for dinner</i>	
20:00	Gathering and leaving for Hangzhou	

Poster session		
Sep. 17 th through Sep 18 th		
Author	Affiliation	Title
Tomoyuki TANAKA	HITACHI ZOSEN CORPORATION	Technology for People, the Earth, and the Future
Weijia LIU	Zhejiang Gongshang University	H ₂ S emission behavior in mineralized refuse under chloroform and O ₂ exposure

Dongyun LIU	Zhejiang Gongshang University	Characterization of chloride from landfill with different operation modes
Yufeng JIA	Zhejiang Gongshang University	The effect of chemical vapor deposition temperature on the performance of binder-free sewage sludge-derived anodes in microbial fuel cells
Hengyi WANG	Zhejiang Gongshang University	Effect of activated persulfate on food waste anaerobic digestion
Yuxiang LIANG	Zhejiang Gongshang University	Hybridization of photoanode and bioanode to enhance the current production of microbial fuel cell
Baimin Lai	Zhejiang Gongshang University	Nitrogen-source stabilization of quorum sensing in the <i>Pseudomonas aeruginosa</i> bioaugmentation strain SD-1
Lijie HUANG	Zhejiang Gongshang University	Effect of modification methods on the current generation of Ti electrodes in microbial fuel cells
Xianbin YING	Zhejiang Gongshang University	The impact of electron donors and anode potentials on the anode-respiring bacteria community
Huicong YAN	Zhejiang Gongshang University	Quorum sensing-regulated cyanide production is dependent on exogenous ammonia in cooperating populations of <i>Pseudomonas aeruginosa</i>
Fumitake TAKAHASHI	Tokyo Institute of Technology	Combination effect of body color of pet bottle trash bin and shape of disposal slot on design preferences
Qihui JIANG	Tokyo Institute of Technology	Preference degree of trash bins arrangement: 3 and 4 trash bins cases
Mengzhu SONG	Tokyo Institute of Technology	Effect of polymer and cellulose treated fly ash on water retention capacity of soils and sands
Yu TIAN	Tokyo Institute of Technology	Preliminary surface characterization of municipal solid waste incineration fly ash particles treated by simple wetting and inorganic solutions of sodium silicate, sodium aluminate, and hydrated silica

Tuesday, Sep.19th, 2017

Technical tour

08:00	Gathering and leaving for Shangyu <i>Lobby of Gejiang Weijia Hotel</i>
09:00	Arriving at Shangyu Zhonglian Environment Co., Ltd.
11:30	Lunch <i>Shangyu Zhonglian Environment Co., Ltd.</i>
12:30	Leaving for Ningbo
14:00	Arriving at Ningbo Mingzhou Environment & Energy Co., Ltd.
17:00	Leaving for Hangzhou
18:00	Dinner <i>Gejiang Weijia Hotel</i>

Wednesday, Sep.20th, 2017

08:00	Gathering and leaving for Qiandao Lake <i>Lobby of Gejiang Weijia Hotel</i>
Full day	Self-travel in Qiandao Lake / Departure <i>Hint: Leaving for airport or rail station after travel, no gathering again</i>

Contact information

Name	Mobile phone	Task
Dongsheng Shen/沈东升	15257129556	General
Yuyang Long/龙於洋	18268156678	Conference report
Na Li/李娜	18368840628	Accommodation
Huajun Feng/冯华军	15088677601	Transportation
Jiali Shentu/申屠佳丽	13516813719	Catering
Yuyang Zhou/周玉央	18805815456	Laboratory
Ting Chen/陈婷	18106575253	Travel
Yingfeng Xu/徐颖峰	18657512228	Conference material
Junxun Jin/金俊勋	18072829635	Shuttle vehicle
Yuqiang Yang/杨煜强	13858041669	Shuttle vehicle
Chengran Fang/方程冉	13819452252	Shuttle vehicle
Ruo He/何若	18858153130	Shuttle vehicle

