

CJJC 2018 KYOTO

The 9th China-Japan Joint Conference on Material Recycling and
Waste Management

Kyoto Garden Palace, Kyoto, Japan
August 26-28, 2018



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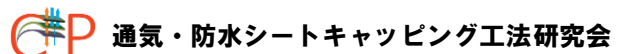
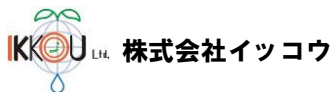
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Conference Schedule

Time	Aug 25th (Sat) Welcome day	Aug 26th (Sun) The 1st day	Aug 27th (Mon) The 2nd day	Aug 28th (Tue) The 3rd day	Aug 29th (Wed) Break up			
8:30	Reception (at Aoi-no-ma)	Reception (at Aoi-no-ma)	8:45-10:15 Session 4: Landfill	8:30-15:15 Technical Tour 2	Break up			
9:00		9:00-9:55 Opening session Keynote lecture						
10:00		Coffee break				Break		
11:00		10:10-12:10 Session 1: Waste water / Leachate treatment				10:25-11:25 Session 5: Incineration residues	9:30-11:00 Urban oil field (Bioethanol production plant)	
12:00		Group photo				Closing remarks Award ceremony		11:45-14:45 Historical tour at Saga Arashiyama (including individual lunch)
13:00		12:25-13:25 Lunch (at Kurama-no-ma)				12:00-13:00 Lunch (at Kurama-no-ma)	15:15 Arrival at Hotel (Kyoto Garden Palace)	
14:00		Reception (at Aoi-no-ma)				13:25-15:25 Session 2: Organic waste/ Energy recovery	13:20-18:15 Technical Tour 1	15:15- Free time
15:00						15:25-16:25 Poster session with Coffee break	14:00-14:40 Historical tour at Sanjusangendo	
16:00							15:00-16:30 Historical tour at Kiyomizu-dera Temple	
17:00							16:25-17:55 Session 3: MSW management	
18:00	18:00-20:00 Welcome party (at Aoi-no-ma)	18:30-20:30 Dinner (at Kurama-no-ma)	18:15- Free time (at Gion)	Eat dinner individually				
19:00				Eat dinner and go back to hotel individually				
20:00								

Presentation Schedule

Date	Time	Presentation
Aug 26	9:00-9:10	Opening session Prof. Takayuki SHIMAOKA (Kyushu University) Prof. Xiaoli CHAI (Tongji University)
	9:10-9:55	Keynote Lecture Prof. Hiroki TANIKAWA (Nagoya University): Material stock and flow analysis and its Indicator for sustainability (面向可持續發展的物質蓄流分析与指標体系研究)
	9:55-10:10	Coffee break
	10:10-12:10	Session 1: Waste water / Leachate treatment 15 min x 8 = 120 min Chair: Prof. Toshihiko MATSUTO (Hokkaido University) and Prof. Dan LIU (Southwest Jiaotong University) 1) Xiaoli CHAI (Tongji University): Mechanism insights into bio-floc bound water transformation based on synchrotron X-ray computed microtomography and viscoelastic acoustic response analysis 2) Qun Wang (Zhejiang University of Science and Technology): Degradation of Dibutyl phthalate by functionalized Fe ₃ O ₄ nanoparticle-immobilized Pseudomonas sp. W1 and its preliminary application in A2O reactor 3) Meng ZHOU (Tongji University): Influence of polyhydroxyalkanoate(PHA) on nitrogen removal and the metaproteomics analyses in denitrifying bacteria Pseudomonas stutzeri 4) Kentaro MIYAWAKI (Meisei University): Leachate neutralization by atmospheric CO ₂ on contact material (tentative title) 5) Ziyang LOU (Shanghai Jiao Tong University): Treatment of concentrated leachate using E+/Ozonation process 6) Jun WU (Nanjing University): The hydraulic jet anaerobic bio-filter combined in a two-phase anaerobic process for pre-treatment of incineration leachate: laboratory scale 7) Fengbin ZHAO (Tongji university): Responses of growth and photosynthetic fluorescent characteristics in Ottelia acuminata to a water-depth gradient 8) Kenichi USHIKOSHI (Sumitomo Electric Industries, Ltd.): A proposal on the leachate treatment system from Incinerator-ash-rich landfill and research works on disposal/recycle of byproduct salts
	12:10-12:25	Group Photo
	12:25-13:25	Lunch at Kurama-no-ma, Kyoto Garden Palace
	13:25-15:25	Session 2: Organic waste / Energy recovery , 15 min x 8 = 120 min Chair: Prof. Takayuki SHIMAOKA (Kyushu University) and Prof. Qunhui WANG (University of Science and Technology Beijing) 9) Yuyang LONG (Zhejiang Gongshang University): Energy conversion of green waste by microwave hydrothermal carbonization

- 10) [Mai OGURA \(Hitachi Zosen Corporation\)](#): Development of recycling model for livestock waste
- 11) [Hongzhi MA \(University of Science and Technology Beijing\)](#): Active carbon produced from waste shrimp shell and its utilization in MFC system for bioelectricity production
- 12) [Yong QIN \(Zhejiang University\)](#): Enhancing biomethanization with magnetic rice-straw biochar via selective enrichment of microorganisms
- 13) [Satoshi HAYASHI \(Hitachi Zosen Corporation\)](#): Development of bio-ethanol production system from municipal solid waste
- 14) [Jianlong WANG \(Tsinghua University\)](#): Sewage sludge handling using ionizing radiation: Principles, progress and perspectives
- 15) [Yu TIAN \(Harbin Institute of Technology\)](#): Revolutionary CARISMO technology for resource and energy recovery from sewage sludge during wastewater treatment
- 16) [Jun ZHANG \(Harbin Institute of Technology\)](#): Sewage sludge pyrolysis technology for resource and energy recovery

15:25-16:25

Poster session with coffee break, 60 min

- 17) [Yingjie SUN \(Qingdao University of Technology\)](#): Evaluation of chemical speciation and environmental risk levels of heavy metals during varied end-point pH leaching tests for raw and solidified/stabilized MSWI fly ash
- 18) [Jianguo LI \(Tongji University\)](#): Preferential removal of phosphorus using modified steel slag and cement combination for its implications in engineering applications
- 19) [Ming GAO \(University of Science and Technology Beijing\)](#): Metabolic analysis of efficient methane production with ethanol pre-fermentation using ¹³C tracer experiments
- 20) [Kun ZHOU \(Tongji University\)](#): Development of nano-CaO₂-coated clinoptilolite for enhanced phosphorus adsorption and simultaneous removal of COD and nitrogen from sewage
- 21) [Changqing LIU \(Fujian Normal University\)](#): Statistical optimization of basic process parameters on bio-hydrogen production from co-digestion of wastewater sludge and kitchen waste
- 22) [Zhifei SHU \(Tsinghua University\)](#): A pattern to advance MSW classification in Northwestern China
- 23) [Yuyi ZHENG \(Fujian Normal University\)](#): Hydrogen production from organic components of sludge fermentation liquid in microbial electrolysis cell
- 24) [Jiawen ZHANG \(The University of Kitakyushu\)](#): Review of recent studies on environmental assessment of sewage sludge treatment technologies and systems using life cycle assessment

<Company's exhibition>

- [Hitachi Zosen Corporation](#)
- [Ebara Environmental Plant Co., Ltd.](#)

		<ul style="list-style-type: none"> • Plantec Inc. • Research Group on Remote Sensing for the Environment and Seepage Control
	16:25-17:55	<p>Session 3: MSW management, 15 min x 6 = 90 min</p> <p>Chair: Prof. Hideki YOSHIDA (Muroran Institute of Technology) and Prof. Dongsheng SHEN (Zhejiang Gongshang University)</p> <p>25) Zhiyong HAN (Chengdu University of Technology): Influencing factors of domestic waste characteristics in the rural area</p> <p>26) Dilixiati DILINAZI (Tokyo Institute of Technology): Preference structure analysis of trash bin colors of combustible waste and incombustible waste</p> <p>27) Dandan LIU (Tsinghua University): Current situation and development prospects of high-temperature and rapid composting technology for municipal solid waste in China</p> <p>28) Fumitake TAKAHASHI (Tokyo Institute of Technology): Negatively emotional intensity of mercury and other pollutants scaled quantitatively by pairwise comparison method with Thurstone's law of comparative judgement</p> <p>29) Jun YANG (Beihang University): Biodegradation and mineralization of polystyrene by mealworm</p> <p>30) Yu TIAN (Tokyo Institute of Technology): Effect of inorganic treatment on metal immobilization for MSWI fly ash particles focusing on secondary mineral coverage analysis at micro-scale level</p>
Aug 27	8:45-10:15	<p>Session 4: Landfill, 15 min x 6 = 90 min</p> <p>Chair: Prof. Kentaro MIYAWAKI (Meisei University) and Prof. Xiaoli CHAI (Tongji University)</p> <p>31) Jun YAO (Taizhou University): Influence of MSWI bottom ash layer on the migration of nitrogen and heavy metal in the landfill</p> <p>32) Quang Huy VU (Muroran Institute of Technology): Performance of semi-aerobic landfill</p> <p>33) Ximeng XU (Southwest Jiaotong University): Heavy metal migration behavior and speciation during the treatment of RO concentrate by aged refuse bioreactor</p> <p>34) Zhilin XING (Chongqing University of Technology): TCE biodegradation mainly occur at anoxic zone in landfill cover soil</p> <p>35) Teppei KOMIYA (Kyushu University): Demonstrational experiment on cement-solidification style final disposal of municipal solid waste incineration residues</p> <p>36) Yosuke HAKATA (Kyushu University): Influence of microbial activity in micro pores on durability of cement-solidified solid waste incineration residues</p>
	10:15-10:25	Break
	10:25-11:25	<p>Session 5: Incineration residues, 15 min x 4 = 60 min</p> <p>Chair: Assoc. Prof. Fumitake TAKAHASHI (Tokyo Institute of Technology) and</p>

	<p>Prof. Yingjie SUN (Qingdao University of Technology)</p> <p>37) Hirofumi NAKAYAMA (Kyushu University): Environmental and economic evaluation of hydrogen recovery from municipal solid waste incineration residue</p> <p>38) Yanan WANG (Qingdao University of Technology): Continuous leaching behavior of Pb from MSWI fly ash in Qingdao City</p> <p>39) Giun JO (Tokyo Institute of Technology): Heavy metal immobilization by geopolymerization for municipal solid waste fly ash</p> <p>40) Mengzhu SONG (Tokyo Institute of Technology): Effect of polymer modification of coal fly ash on the mechanical, morphological properties of polymer-fly ash porous composites</p>
11:25-12:00	<p>Closing remarks, announcement of the next conference, and presentation award ceremony</p> <p>Prof. Takayuki SHIMAOKA (Kyushu University)</p> <p>Prof. Xiaoli CHAI (Tongji University)</p> <p>Prof. Qunhui WANG (University of Science and Technology Beijing)</p> <p>Representative of the next conference</p>
12:00-13:00	Lunch at Kurama-no-ma, Kyoto Garden Palace