

TIME TABLE

6th November Tuesday

Oral Session1: Urban Environment

9:10-10:30, HaLL-B

1-1 CHARACTERIZATION OF BOTTOM ASHES PRODUCED IN SEVEN MUNICIPAL SOLID WASTE INCINERATORS IN CHINA

Chai Xiaoli¹, Hou Linlin¹, Wang Dongyang¹

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1-2 MODELING OF LANDFILL GAS EMISSION THROUGH VEGETATION

Hirofumi Nakayama¹, Takayuki Shimaoka¹, Mayu Takahashi², Teppei Komiya³ and Xiaoli Chai⁴

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1-3 INFLUENCE OF HEATING PROCESS ON WEIGHT LOSS AND MINERAL PHASE CHANGE IN MSWI ASH: THE LOSS ON IGNITION OF INCINERATION BOTTOM ASH

Shuo Yang¹, Amirhomayoun Saffarzadeh¹, Takayuki Shimaoka¹, Takashi Kawano²

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1-4 HEAVY METALS IN COMMON VEGETABLES GROWING NEAR A PB/ZN SMELTING AREA AND ASSOCIATED HEALTH IMPACTS

Zhonggen Li¹, Xinbin Feng¹, Xiangyang Bi², Guangyi Sun³, Guanghui Li¹, and Jinling Liu¹

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³ Hei Longjiang Institute of Geological Survey, Harbin 150036, China

1-5 RESEARCH ON THE KEY TECHNOLOGIUES OF METHANE EMISSION REDUCTION IN MSW SEMI-AEROBIC LANDFILL SITE

Yue Bo¹, Wang Qi¹, Huang Qifei¹, Huang Zecun¹

¹ Chinese Research Academy of Environmental Sciences, Beijing 100012

1-6 PRODUCTION CHARACTERISTICS OF N₂O DURING STABILIZATION OF MUNICIPAL SOLID WASTE IN A SEMI-AEROBIC BIOREACTOR LANDFILL

Yingjie Sun¹

¹ Department of Environmental and Civil Engineering, Qingdao Technological University

Oral Session2: Food Risk & Assessment

11:00-12:30, HaLL-B

2-1 CONSUMERS' PERCEPTION AND BEHAVIOR TOWARDS FOOD CERTIFICATION: EVIDENCES FROM THE MILK MARKET IN CHINA

Min Song¹, Xiaoou Gao¹, Tinggui Chen², Teruaki Nanseki³, Hui Zhou⁴ and Dongpo Li⁵

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2-2 CONSUMER WILLINGNESS TO PAY FOR FOOD SAFETY IN SHANGHAI CHINA: A CASE ATUDY OF GAP CERTIFIED MILK

Tinggui Chen¹, Min Song², Teruaki Nanseki³, Hui Zhou⁴ and Dongpo Li⁵

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2-3 CONSUMER PERCEPTIONS UPON FOOD SAFETY AND DEMOGRAPHIC DETERMINANTS IN CHINA: EMPIRICAL ANALYSIS BASED ON A SURVEY OF 512 RESPONDENTS

Dongpo Li¹, Teruaki Nanseki², Shigeyoshi Takeuchi², Min Song³, Tinggui Chen⁴, Hui Zhou⁵

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2-4 CHINESE CONSUMERS' ATTITUDE TOWARDS GAP-CERTIFIED MILK -A CASE STUDY IN BEIJING

Hui Zhou¹, Teruaki Nanseki², Shigeyoshi Takeuchi², Min Song³, Tinggui Chen⁴, Dongpo Li⁵

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Oral Session3: Aqueous Environment and Hydrology & Combating Desertification

13:30-15:00, HaLL-B

3-1 IN SITU REMEDIATION OF CONTAMINATED AQUACULTURE WATER BY ECOLOGICAL DAM IN YANG CHENG LAKE

Chunjie Li¹, Zhenjia Zhang¹, Aimin Hao², Yasushi Iseri³, Caixia Kang⁴ and Takahiro Kuba⁴

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3-2 IMPACTS OF EUTROPHIC POND WATER ON FEEDING BEHAVIOR AND METABOLIC ENERGY BALANCE OF *SINANODONTA WOODIANA* IN MICROCOSM EXPERIMENTS

Yuxian Liu¹, Aimin Hao², Yasushi Iseri³, Chunjie Li⁴, Zhenjia Zhang⁴ and Takahiro Kuba¹

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3-3 IMPROVEMENT OF WATER QUALITY IN LAKE TAIHU BY AQUATIC PLANTS AND THE RELATION TO CYANOBACTERIA BLOOM

Caixia Kang¹, Aimin Hao², Yasushi Iseri³, Chunjie Li⁴, Zhenjia Zhang⁴ and Takahiro Kuba¹

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3-4 THE FIELD SURVEYS IN 2012 FOR THE LONG-TERM RECONSTRUCTION OF PALEO-ENVIRONMENT AT ARID AND SEMI-ARID REGIONS IN EAST ASIA

Kaoru Kashima¹

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3-5 SIMULATION OF SALT ACCUMULATION IN CROP FIELD BY ROOT ION ABSORPTION MODEL

Ryosuke Nomiyama¹, Daisuke Yasutake², Yohei Hioki¹, Shogo Fuji¹, Kenta Tagawa³, Makito Mori², Hiroyuki Cho³, Weizhen Wang⁴ and Masaharu Kitano¹

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Oral Session4: Atmospheric Environment & Marine Environment

13:30-15:00, HaLL-C

4-1 EFFECTS OF MULTI-SUPPORTING STRUCTURE ON WIND TURBINE PERFORMANCE AND RESISTANCE FOR A WIND-LENS TURBINE

Keita Yoshinaga¹, Yuji Ohya², Takashi Karasudani³, Takanori Uchida⁴

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4-2 RESEARCH OF THE NEXT GENERATION SHIP WITH RENEWABLE ENERGY

So Yoshizawa¹, Yuji Ohya², Takashi Karasudani³, Takanori Uchida⁴, Kimihiko Watanabe⁵

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4-3 NUMERICAL SIMULATION OF EXHAUST GAS DIFFUSION BY HYBRID LBM-FVM METHOD

Fei Jiang¹, Changhong Hu²

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4-4 REAL-TIME OBSERVATION SYSTEM FOR FISHERIES IN THE KOREAN WATERS

In-Seong Han¹ and Young Sang Suh¹

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4-5 SEASONAL VARIATION OF VOLUME TRANSPORT THROUGH THE TAIWAN STRAIT

Takeshi Matsuno¹, Cho-Teng Liu², Kaoru Ichikawa¹, Ken-ichi Fukudome¹, and Hsien-Wen Chen³

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4-6 RECENT WARMING IN THE WESTERN NORTH PACIFIC IN RELATION TO RAPID CHANGES IN THE ATMOSPHERIC CIRCULATION OF THE SIBERIAN HIGH AND ALEUTIAN LOW SYSTEMS

Young-Hyang Park¹, Jong-Hwan Yoon², Yong-Hoon Youn³, Frederic Vivier⁴

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Oral Session5: Agro-Production Environment (JSPS SOWAC Project Special Session)

15:20-16:50, HaLL-B

5-1 LINKING ECONOMIC DEVELOPMENT WITH SOCIAL AND ENVIRONMENTAL ISSUES IN VIETNAM

Hoang Van Long¹, Mitsuyasu Yabe¹

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5-2 ASSESSING THE CURRENT STATE AND PROPOSING THE SOLUTION TO THE WASTEWATER TREATMENT AFTER BIOGAS AND SEPTIC TANK IN THE RURAL AREAS OF VIETNAM. A CASE STUDY IN NGOC CUC HAMLET - THUC KHANG VILLAGE - BINH DIEN DISTRICT - HAI DUONG PROVINCE

Hai Nguyen Do¹, Contin Macro², De Nobili Maria², Thinh Van Nguyen¹ and Truong Xuan Nguyen¹

¹ Faculty of Natural resources and Environment - Hanoi University of Agriculture, Hanoi, Vietnam

² Department of Agriculture and Environmental Sciences, University of Udine, Udine, Italy

5-3 AN IMPROVING OF PERFORMANCE OF FARMER WATER USER COMMUNITY IN CAMBODIA: A CASE STUDY IN STUNG CHIMIT IRRIGATION SYSTEM

Sam Sreymom¹, Yoshiyuki Shinogi¹

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5-4 TRIBUTYL TIN CONTAMINATION OF MARINE SEDIMENTS IN THE MAJOR PORT OF INDONESIA AND NORTHERN KYUSHU, JAPAN

Suzanne Undap^{1,2}, Shizuho Miki¹, Kukuh Nirmala³, Yohei Shimasaki¹, Yuji Oshima¹

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5-5 SIMULTANEOUS PRODUCTION OF BIOPLASTIC AND VALUE-ADDED COMPOST BY USING THERMOTOLERANT BACTERIA

Kenji Sakai¹, Arisa Hayami¹, Vichien Kitpreechavanish² and Vo-Tong Xuan³

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² Faculty of Science, Kastsart University, Thailand

³ Tan Tao University, VietNam

5-6 OPTIMAL OPERATION OF MULTI-PURPOSE RESERVOIR BY CONSTRAINED GENETIC ALGORITHMS

Trieu Anh Ngoc¹, Kazuaki Hiramatsu² and Masayoshi Harada²

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Poster Session

12:30-13:30, Entrance Lobby

P-1 DEEP SHAFT AERATION PROCESSES FOR HIGH CONCENTRATION LANDFILL LEACHATE TREATMENT AT LOW TEMPERATURE

Jing Niu¹, Youcai Zhao¹

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P-2 PERFORMANCE EVALUATION OF NANOSCALE ZERO-VALENT IRON (nZVI) FOR HYDROGEN SULPHIDE REMOVAL IN BIOGAS FROM WASTE ACTIVATED SLUDGE DIGESTION

Su Lianghu¹, Guo Guangzhai², Zhao Aihua², Zhao Youcai¹, Chai Xiaoli¹

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P-3 SUSTAINABLE AND PROFITABLE GREENHOUSE PRODUCTION IN SALINIZED CROP FIELDS UNDER DESERTIFICATION

Yohei Hioki¹, Ryosuke Nomiyama¹, Yuki Sago¹, Daisuke Yasutake², Makito Mori², Hiroyuki Cho³, Weizhen Wang⁴, Yueru Wu⁴, and Masaharu Kitano¹

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P-4 SHAPE AND STRUCTURE OF WATER'S EDGE IN STREAM FOR COEXISTENCE OF SEDIMENT CONTROL AND FISH HABITAT

Koji Takahira¹, Yukihiko Shimatani¹, Yuichi Kayaba², Natsuki Hisaoka³, Yoichi Kawaguchi⁴, Shinya Ikematsu¹ and Tasturou Sato¹

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P-5 THE ROLE OF GROUNDWATER IN SPATIO-TEMPERAL VARIATION OF WATER YIELD IN A SMALL JAPANESE FORESTED CATCHMENT

Sun Haotian¹, Tamao Kasahara², Kyoichi Otsuki²

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P-6 SOIL MOISTURE RETRIEVAL IN THE HEIHE RIVER BASIN BASED ON THE THERMAL INERTIA METHOD

MA Chunfeng^{1,2}, HAN Xujun¹, WANG Weizhen¹, Tetsuo KOBAYASHI¹

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- P-7 SOIL SALIZATION IN A MAIZE FIELD IN THE ARID REGION OF CHINA**
 Shohei Takahashi¹, Kenta Tagawa², Hiroyuki Cho¹, Masaharu Kitano³ and Weizhen Wang⁴
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- P-8 DEVELOPMENT OF THE DEM SYSTEM IN A HYDROLOGICAL MODEL TO SIMULATE THE WATER ENVIRONMENT IN THE SHIKOKU DISTRICT**
 Makito Mori¹, Masayuki Matsuoka¹, Daisuke Yasutake¹
¹ Faculty of Agriculture, Kochi University, B 200 Monobe, Nankoku, Kochi 783-8502, Japan
- P-9 DEVELOPMENT OF NUMERICAL MODEL TO SIMULATE THE TEMPERATURE ENVIRONMENTS IN GREENHOUSES**
 Makito Mori¹, Daisuke Yasutake¹, Yasuyo Nishimura¹
¹ Faculty of Agriculture, Kochi University, B 200 Monobe, Nankoku, Kochi 783-8502, Japan
- P-10 WATER CONSUMPTION BY TREES IN COMMUNITY FOREST SITE IN CAMBODIA**
 Yoshiyuki Miyazawa^{1,2,3}, Makiko Tateishi⁴, Hikaru Komatsu^{1,5}, Vuthy Ma⁶, Tsuyoshi Kajisa⁷, Heng Sokh⁶, Nobuya Mizoue⁷ and Tomo'omi Kumagai⁸
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- P-11 PREPARATION OF ALLOPHANE USING SILICA AND ALUMINUM SOURCE EXTRACTED FROM INCINERATED SOLID WASTE SYNTHESIS**
 Hoang Bac BUI¹, Dinh Hieu VU¹, Xuan Nam BUI¹
¹ Hanoi University of Mining and Geology, Dongngac, Tuliem, Hanoi, Vietnam
- P-12 PREPARATION OF ACTIVATED CARBON-ZEOLITE COMPOSITES (AC-Z COMPOSITES) USING WATER TREATMENT SLUDGE ASH**
 Dinh Hieu VU¹, Hoang Bac BUI¹, Xuan Nam BUI¹
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