TIME TABLE

12th November Tuesday

Oral Session1: Biodiversity Conservation in Rivers

13:00-14:20, HaLL-B

Chair: Prof. Yukihiro SHIMATANI, Kyushu University

(作成中)

1-2 黄亮亮

(作成中)

1-3 山下奉海

(作成中)

1-4 佐藤辰郎

(作成中)

Oral Session2: Integrated Management Scheme of Water Environment in Taihu Lake Basin

14:40-16:00, HaLL-B

Chair: Prof. Takahiro KUBA, Kyushu University

2-1 WATER POLLUTION OF LAKE TAIHU AND SOLUTIONS FOR ENVIRONMENTAL PROBLEMS

Aimin Hao¹, Takahiro Kuba², Yasushi Iseri³, Caixia Kang², Yuxian Liu², Megumu Hayashida², Chunjie Li⁴ and Zhenjia Zhang⁴

2-2 IN-SITU POLLUTION CONTROL OF CONTAMINATED AQUACULTURE WATER BY ECOLOGICAL DAM IN YANG CHEN LAKE: EXPERIENCE AND PROSPECT

Chunjie Li¹, Zhe Lv¹, Demao Xiao¹, Zhenjia Zhang¹, Aimin Hao², Yasushi Iseri³ and Takahiro Kuba⁴

- 2-3 (作成中)
- 2-4 (作成中)

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13th November Tuesday

Oral Session3: Marine Environment & Atmospheric Environment

9:00-10:40, HaLL-B

Chair: Prof. Takeshi MATSUNO & Prof. Yasutake TERAOKA, Kyushu University

3-1 TIDAL CHANGES IN CHINA SEAS—FROM MILLENNIUM TO DECADES

Katsuto Uehara¹

¹ Research Institute for Applied Mechanics, Kyushu University, 6-1 Kasuga Koen, Kasuga, Fukuoka 816-8580, Japan

3-2 A SUMMERTIME SUBSURFACE COUNTERCURRENT IN THE EAST COAST OF JEJIJ-DO

Jae Hak Lee¹, Chang-Su Hong¹, Jinku Park¹ and Se Jong Ju²

¹ Ocean Circulation and Climate Research Division, Korea Institute of Ocean Science and Technology, 787 Haean-ro, Ansan, Korea

² Deep-sea and Seabed Resources Research Division Korea Institute of Ocean Science and Technology, 787 Haean-ro, Ansan, Korea

3-3 A NEW METHOD TO PRODUCE SEA SURFACE TEMPERATURE USING SATELLITE DATA ASSIMILATION INTO AN ATMOSPHERE-OCEAN MIXED LAYER COUPLED MODEL

Eunjeong Lee¹, Yign Noh¹and Naoki Hirose²

¹ Department of Atmospheric Sciences, Yonsei University, Seoul, Korea

3-4 DIFFERENCE BETWEEN THE LAGRANGIAN TRAJECTORIES AND EULERIAN RESIDUAL VELOCITY FIELDS IN THE SOUTHWESTERN YELLOW SEA

Bin Wang¹, Naoki Hirose¹, Jae-Hong Moon² and Dongliang Yuan³

¹ Research Institute for Applied Mechanics, Kyushu University, Kasuga, Japan

² Jet Propulsion Laboratory, California Institute of Technology, California, USA

3-5 VERTICAL MIXING AROUND PYCNOCLINE IN THE SHELF REGION OF THE EAST CHINA SEA

KeunJong Lee¹, Takeshi Matsuno² and Takahiro Endoh²

¹ Department of Earth System Science and Technology, Kyushu University, 6-1 Kasuga-kohen, Kasuga, Japan

² Research Institute for Applied Mechanics, Kyushu University, 6-1 Kasuga-kohen, Kasuga, Japan

3-6 IMPROVEMENT OF POWER GENERATION ON WIND SOLAR TOWER

Masataka Motoyama¹, Yuji Ohya², Takashi Karasudani², Takanori Uchida² and Shinsuke Okada¹ Department of Aeronautics and Astronautics, Kyushu Univ., 6-1 Kasuga-kouen, Kasuga-shi, Fukuoka, 816-8580, Japan

² Department of RIAM, Kyushu University, 6-1 Kasuga-kouen,Kasuga-shi,Fukuoka, 816-8580, Japan

3-7 NUMERICAL SIMULATION OF THE MOTION OF FLOATING WIND TURBINE Chen Liu¹ and Changhong Hu²

¹Interdisciplinary Graduate School of Engineering Science, Kyushu University, Kasuga, Fukuoka, JAPAN

² Research Institute for Applied Mechanics, Kyushu University, Kasuga, Fukuoka, JAPAN

² Research Institute for Applied Mechanics, Kyushu University, Kasuga, Japan

³ Institute of Oceanology, Chinese Academy of Sciences, Qingdao, China

Oral Session4: Combating Desertification & Food Risk Assessment

11:00-12:30, HaLL-B

Chair: Associate Prof. Kaoru KASHIMA & Prof. Teruaki NANSEKI, Kyushu University

4-1 PALEO-ENVIRONMENTAL HISTORY AND KOSA (DUST AND SAND STORM) FLUCTUATION AT ARID - SEMI-ARID REGIONS IN EAST ASIA

Kaoru Kashima 1

¹ Department of Earth and Planetary Sciences, Faculty of Sciences, Kyushu University, 6-10-1 Hakozaki, Fukuoka 812-8581, Japan

4-2 AN INTEGRATED METHODOLOGY FOR DETECTING SOIL SALINIZATION BY THE REMOTE SENSING

Maimaiti•shawuti ^{1, 2}, Tashpolat•Teyip^{1, 2}, DING Jian-li1 ²

¹ College of Resource and Environment Sciences, Xinjiang University, Urumqi 830046, China

² Key Laboratory of Oasis Ecology (Xinjiang University) Ministry of Education, Urumqi 830046, China

4-3 THE FUNDAMENTAL RESEARCH ABOUT GEO-ENVIRONMENT OF DRYLAND WHICH LICORICE GROW WILDLY IN SOUTHERN MONGOLIA AND CULTIVATION EXPERIMENT OF LICORICE WHICH PAID ATTENTION CALCIUM CONTENTS

Ren Kameoka¹, Noriyuki Yasufuku², Kiyoshi Omine³ and Zentaro Furukawa²

¹ Graduate School of Engineering, Kyushu University, 744 Motooka, Nisi-ku, Fukuoka 819-0395, Japan

² Faculty of Engineering, Kyushu University, 744 Motooka, Nisi-ku, Fukuoka 819-0395, Japan

³ Faculty of Engineering, Nagasaki University, 1-14 bunkyocho Nagasaki 852-8521 Japan

4-4 SOME RESULTS OF ECOLOGICAL RESEARCH OF URALIAN LICORICE (Glycyrrhiza uralensis Fisch.) IN MONGOLIA

Indree Tuvshintogtokh¹, Bayart Mandakh¹, Noriyuki Yasufuku², Kiyoshi Omine³, Atsushi Marui⁴, Banzragch Bat-Enerel¹, Yolk Yeruult¹

¹ Institute of Botany, Mongolian Academy of Sciences, Ulaanbaatar, Mongolia

² Faculty of Engineering, Kyushu University, Japan

³ Faculty of Engineering, Nagasaki University, Japan

⁴ Faculty of Agriculture and Life Science, Hirosaki University, Japan

4-5 COMPARISON OF FARMER-CONSUMER AWARENESS ON AGRO-ENVIRONMENT AND THE POLICY RECOMMENDATIONS: BASED ON TWO SURVEYS IN EASTERN CHINA

Min Song¹, Teruaki Nanseki², Dongpo Li³

¹ Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences, No.12, South Zhongguancun Street, Beijing 100081, China;

² Faculty of Agriculture, Kyushu University, Hakozaki 6-10-1, Fukuoka 812-8581, Japan;

³ Institute of Rural Economics, Hebei Academy of Social Sciences, 67 West Yuhua Road, Shijiazhuang 050051, China

4-6 FARMER PERCEPTIONS ON APPLYING THE AGRO-CHEMICALS AND THE DETERMINANTS IN CHINA: EVIDENCE FROM 560 FARMS OF SIX EASTERN PROVINCIAL-LEVEL REGIONS

Dongpo Li¹, Teruaki Nanseki², Min Song³

¹ Institute of Rural Economics, Hebei Academy of Social Sciences, 67 West Yuhua Road, Shijiazhuang 050051, China;

² Faculty of Agriculture, Kyushu University, Hakozaki 6-10-1, Fukuoka 812-8581, Japan;

³ Institute of Agricultural Resources and Regional Planning, Chinese Academy of Agricultural Sciences, No.12, South Zhongguancun Street, Beijing 100081, China

Oral Session5: Urban Environment

13:30-15:00, HaLL-B

Chair: Associate Prof. Hirohumi NAKAYAMA, Kyushu University

5-1 ESTIMATION OF SPATIAL VARIATION OF METHANE EMISSION IN A LANDFILL

Asiyanthi Tabran Lando¹, Hirofumi Nakayama² and Takayuki Shimaoka²

 1 Graduate School of Engineering, Department of Urban and Environmental Engineering, Kyushu University,

Fukuoka 819-0395, Japan ² Department of Urban and Environmental Engineering, Faculty of Engineering, Kyushu University, Fukuoka 819-0395, Japan

5-2 TOTAL AND METHYLATED MERCURY IN SURFACE SEDIMENTS FROM **ARCTIC**

Xiaoli Chai ¹, Yang Liu ¹

¹ The State Key Laboratory of Pollution Control and Resource Reuse, Tongji University, Shanghai, China

5-3 PRODUCTION CHARACTERISTIC OF N2O DURING STABILIZATION OF MUNICIPAL SOLID WASTE IN AN INTERMITTENT AERATED SEMI-AEROBIC **BIOREACTOR LANDFILL**

Yingjie Sun¹, Ya-Nan Wang¹, Xiaojie Sun², Hao Wu¹, Huanhuan Zhang¹

¹ School of Environment and Municipal Engineering, Qingdao Technological University, Qingdao 266033,

² College of Environmental Science and Engineering, Guilin University of Technology, Guilin 541004, China

5-4 DEHYDRATION AND SOLIDIFICATION/STABILIZATION OF HIGH ORGANIC CONTENT SEWAGE SLUDGE BY COMBINED ALUMINATE CEMENT

Xin Danhui¹, Chai Xiaoli¹

¹ The college of environmental science and engineering, Tongji University, Siping Road 1239, Shanghai, China

5-5 DETERMINATION OF DIFFUSION COEFFICIENT IN DISASTER WASTE PILE IN ORDER TO ENHANCE WASTE STORAGE METHODS

Pavel Ehler¹, Takayuki Shimaoka¹ and Teppei Komiya¹

 1 Department of Urban and Environmental Engineering Kyushu University, 744 Motooka, Nishi-ku, Fukuoka 819-0395, Japan

5-6 STUDY OF ELUTION CHARACTERISTICS OF CESIUM FROM MUNICIPAL SOLID WASTE INCINERATION FLY ASH USING CENTRIFUGE

Takaya Sawada¹, Yuka Watanabe² and Takayuki Shimaoka³

 I Department of Urban and Environmental Engineering, Graduate school of Engineering, Kyushu University

² Research Institute for East Asia Environments, Kyushu University

³ Department of Urban and Environmental Engineering, Faculty of Engineering, Kyushu University

Oral Session6: Agro-Production Environment (JSPS SOWAC Project Special Session)

15:20-17:20, HaLL-B

Chair: Prof. Yoshiyuki SHINOGI, Kyushu University

6-1 FEED-BACK ISOLATION AND IDENTIFICATION OF THERMO-TOLERANT BACTERIA WITHIN MIXED CULTURE SYSTEM

Pramod Poudel¹, Yukihiro Tashiro¹ and Kenji Sakai¹

¹ Laboratory of Soil Microbiology, Division of Applied Molecular and Biomass Chemistry. Department of Bioscience and Biotechnology, Faculty of Agriculture, Graduate School, Kyushu University, 6-10-1 Hakozaki, Higashi-ku, Fukuoka 812-8581, Japan

PROFIT EFFICIENCY OF TEA PRODUCTION IN THE NORTHERN MOUNTAIN 6-2 OF VIETNAM: A STOCHASTIC FRONTIER APPROACH

Nguyen Bich Hong¹ and Mitsuyasu Yabe¹

Department of Agriculture and Resource Economics, Faculty of Agriculture, Kyushu University, 6-10-1, Hakozaki, Higashi-ku, Fukuoka City, Japan

CURRENT SITUATION OF BEIJING RESIDENTS' HOUSEHOLD KITCHEN 6-3 WASTE SEPARATION

Yalin YUAN¹ and Mitsuyasu Yabe¹

¹ Department of Agricultural and Resource Economics, Kyushu University, Fukuoka, Japan

IDENTIFICATION OF PERFLUOROOCTANE SULFONATE (PFOS) BINDING 6-4 PROTEIN IN PLASMA OF TIGER PUFFERFISH

Masato Honda¹, Akemi Muta¹, Taiki Akasaka², Yohei Shimasaki¹, Yuji Oshima¹

¹ Laboratory of Marine Environmental Science, Faculty of Agriculture Kyushu University, Hakozaki 6-10-1 Higashi-ku, Fukuoka 812-8581, Japan

² Center for Advanced Instrumental and Educational Supports, Faculty of Agriculture, Kyushu University, Hakozaki 6-10-1, Higashi-ku, Fukuoka 812-0053, Japan

6-5 COPPER TOXICITY TEST OF JAPANESE MEDAKA (Orvzias latines)

Wilmy Etwil Pelle^{1,2}, Yuji Oshima¹, Masashi Kamo³, Takeshi Kimura⁴

¹ Laboratory of Marine Environmental Science, Faculty of Agriculture, Kyushu University, Hakozaki 6-10-1 Higashi-ku, Fukuoka 812-8581, Japan

² Faculty of Fisheries and Marine Science, Sam Ratulangi University, Jl. Kampus Unsrat Bahu, Manado, Indonesia

³ Advanced Industrial Science and Technology, Research Institute of Science for Safety and Sustainability Onogawa 16-1 Tsukuba, Ibaraki 305-8569, Japan

⁴ Shinnihon Kankyou Consults, Nagazumi 3–25–15, Minami-ku, Fukuoka 815-0075, Japan

6-6 DEVELOPMENT OF MATHEMATICAL MODEL TO SIMULATE THE WATER QUALITY OF A RESERVOIR UNDER SCARCE UNDEWATER LIGHT **ENVIRONMENT**

Do Thuy Nguyen¹, Masayoshi Harada² Kazuaki Hiramatsu²

¹ Faculty of Natural Resources and Environment, Hanoi University of Agriculture,

Trau Ouv, Gia Lam, Hanoi, Vietnam

² Department of Agro-environmental Environmental Sciences, Faculty of Agriculture, Kyushu University, Hakozaki 6-10-1, Higashi-ku, Fukuoka 812-8581, Japan

APPLICATION OF SWAT MODEL TO HYDROLOGIC CYCLE ASSESSMENT IN 6-7 THE CONG WATERSHED, VIETNAM

Nguyen Viet Anh¹, Shinji Fukuda², Kazuaki Hiramatsu² and Masayoshi Harada²

¹ Graduate School of Bioresource and Bioenvirometal Sciences, Kyushu University, 6-10-1 Hakozaki, Higashi-Ku, Fukuoka 812-8581, Japan

² Faculty of Agriculture, Kyushu University, 6-10-1 Hakozaki, Higashi-Ku, Fukuoka 812-8581, Japan

Poster Session

12:30-13:30, Entrance Lobby

P-1 HOLOCENE CLIMATE CHANGES IN NORTHERN MONGOLIA INFERRED FROM DIATOM ASSEMBLAGES OF PEAT LAND BORING CORES

Yu Fukumoto¹, Kaoru Kashima¹, Ulgiichimeg Ganzorig²

¹ Department of Earth and Planetary Sciences, School of Sciences, Kyushu University, 6-10-1 Hakozaki, Higashi ward, Fukuoka 812-8581, Japan

² Division of Pedology, Institute of Geography, Mongolian Academy of Sciences, Erkhuu street-Ulaan barilga, Ulaanbaatar- 210620, Mongolia

P-2 THE IMPACTS OF LAND USE AND COVER CHANGE ON LAND SURFACE TEMPERATURE IN THE DELTA OASIS OF WEIGAN AND KUOA RIVER

Zhang Fei^{1,2}, Zhou Mei^{1,2}
¹ College of Resources and Environment Science, Xinjiang University, Urumqi, Xinjiang 830046, PR China

² Key Laboratory of Oasis Ecology, Xinjiang University, Urumqi, Xinjiang 830046, PR China

LOW-ALTITUDE REMOTE SENSING FOR MONITORING OF SURFACE P-3 TEMPERATURE AND MOISTURE CONTENT IN A LANDFILL SITE

Tetsuya Miyahara¹, Hirofumi Nakayama¹, Takayuki Shimaoka¹, Hiroaki Takayama¹, Shuichi Yamashita², Yuichi Ueda³, Tomoaki Hachimura⁴, Shuichi Nagaoka⁴

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P-4 EVALUATION OF HYDROLYZING SYSTEM OF HUMAN EXCRETA ON SELF-HEATING AEROBIC TREATMENT

Huijun Cheng¹, Toshihiko Kii¹, Kokuse Kanda¹, Yukihiro Tashiro¹, Kenji Sakai¹

¹ Department of Bioscience and Biotechnology, Graduate School of Bioresource and Bioenvironmental Sciences, Kyushu University, 6-10-1 Hakozaki, Higashiku, Fukuoka 812-8581, Japan

P-5 WATER USE BY WIDELY PLANTED TREE SPECIES, ROBINIA PSEUDOACACIA UNDER SOIL DROUGHT

Yoshiyuki Miyazawa¹, Sheng Du² and Norikazu Yamanaka³

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NON-POINT SOURCE POLLUTION MODELLING APPROACH FOR RIVER P-6 **BASINS**

E.D.P. Perera¹, Y. Iwami¹, K. Fukami² and T. Uenoyama¹

¹ International centre for water hazard and risk management (ICHARM) under the auspices of UNESCO, Public Works Research Institute, Tsukuba, Ibaraki, Japan

² National Institute for Land and Infrastructure Management (NILIM), Ministry of Land, Infrastructure, Transport and Tourism (MLIT), Tsukuba, Ibaraki, Japan

P-7 EVALUATION OF DISASTER RESILIENCE ON WASTE MANAGEMENT IN DEVELOPING COUNTRIES: A MAPPING PROBLEM USING SEM METHOD (Case: Earthquake-Tsunami Waste, Indonesia)

Maryono¹, Hirofumi Nakayama², Takayuki Shimaoka²

Graduate School of Engineering, Kyushu University

² Faculty of Engineering, Kyushu University

P-8 A COMPARATIVE EVALUATION OF CHLORINE REMOVAL PROCESS FOR MSWI ASHES RECYCLING IN JAPAN

Kanawut Inkaew¹, Takayuki Shimaoka², Hirofumi Nakayama² and Amirhomayoun Saffarzadeh² ¹ Graduate School of Engineering, Kyushu University, 744 Motooka, Nishi-ku, Fukuoka, Japan

² Department of Urban and Environmental Engineering, Faculty of Engineering, Kyushu University, 744 Motooka, Nishi-ku, Fukuoka, Japan

P-9 RIVERINE ENVIRONMENT AND FRESHWATER FISH IN MALAYSIA: WHAT I LEARNED THROUGH EAESTP INTERNSHIP COURSE

Tatsuro Sato¹

P-10 SUMMARY OF PARTICIPATION IN THE 2013 INTERNATIONAL STUDENT CONFERENCE ON ENVIRONMENT AND SUSTAINABILITY (ISCES 2013) – FOOD GROUP IN SHANGHAI, CHINA

Pavel EHLER1

P-11 'PROPOSAL FOR ESTABLISHMENT OF ENVIRONMENTALLY SOUND CITY; EAST ASIA PROJECT STUDY' IN KIRTIPUL, NEPAL

Masataka Kishida¹

¹ Department of Urban and Environmental Engineering, Kyushu University, 744 Motooka, Nishi-ku, Fukuoka 819-0395, Japan

P-12 WATER SUPPLY AND WASTE WATER MANAGEMENT

Kento Terashima¹, Seiji Miura², Goki Shimada³, Masanori Ishikawa⁴, Sith Sona⁵

¹ Urban and Environmental Engineering, Kyushu University, Japan

³ Coastal Engineering, Kyushu University, Japan

P-13 PROPOSAL FOR THE DEVELOPMENT OF KIRTIPUR'S MASTER PLAN; EAST ASIA PROJECT STUDY IN KIRTIPUR, NEPAL

Abu Bakarr Jalloh 1

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