

平成 28 年 11 月 11 日

第 25 回日韓水環境シンポジウムーアジアの水環境管理に向けた新展開ー

水環境保全の国際協力研究委員会

第 25 回日韓水環境シンポジウムーアジアの水環境管理に向けた新展開ーを下記のように開催した。

本シンポジウムでは、日本側からの参加者 26 名を含めて約 50 名の参加者を得て、地球温暖化への対応も含め水環境問題関連研究の動向や国際的な水ビジネスの展開、そして水環境保全にかかる最新の研究成果の発表が行われ、活発な討議が行われた。また、ポスターセッションや交流会を利用し、日本や韓国、中国からの出席者の交流も図ることができた。

なお、本シンポジウムの開催に際しては、公益財団法人クリタ水・環境科学振興財団様からの助成を賜りました。ここに記して深甚の謝意を表します。

記

主 催 日本水環境学会，大韓環境工学会，嶺南大学 (Yeungnam Univ.) 環境問題研究所

後 援 化学工学会環境部会

期 日 2016 年 10 月 24 日 (月) ～25 日 (火)

場 所 KKR 京都くに荘 (京都府京都市上京区河原町通荒神口上る東入東桜町 27-3)

プログラム

SCIENTIFIC PROGRAM

DATE & TIME: October 24 (Monday) 13:00～17:25

13:00～13:10 OPENING SESSION

Opening remarks Akiyoshi SAKODA (The University of Tokyo),
Shunhwa LEE (Yeungnam University)

Welcome speech Hiroaki FURUMAI (President of JSWE, The University of Tokyo)

13:10～14:40 INVITED LECTURES 1

Chairpersons: Akiyoshi SAKODA (The University of Tokyo, IIS-UT),
Shun-hwa LEE (Yeungnam University)

13:10～13:55 Water and resource recovery from wastewater treatment

Seockheon LEE (Korea Institute of Science & Technology),

Hank-Sik SHIN (Korea Advanced Institute of Science & Technology)

13:55～14:40 International expansion of Japanese water business, particularly in Southeast Asian countries

Tetsuya TAKAZAWA (Japan Environmental Storage & Safety Corporation)

14:55~16:25 INVITED LECTURES 2

Chairpersons: Satoshi NAKAI (Hiroshima University), Jinyoung JUNG (Yeungnam University)

14:55~15:40 Paradigm shift of biological nitrogen removal

Jinyoung JUNG (Yeungnam University)

15:40~16:25 Development of Well-balanced Urban Water Use System Adapted for Climate Change

Hiroaki FURUMAI (The University of Tokyo)

16:35~17:35 POSTER SESSIONS

P1 Survey on perfluorinated compounds adsorbed on microplastics in the south part of Lake Biwa and the estuary of Kanzaki River in Osaka Bay.

Satoru YUKIOKA, Shuhei TANAKA, Yuji SUZUKI, Mengze WANG, Yoshiki NABETANI, Chenghui ZENG, Shigeo FUJII (Kyoto University), Hideshige TAKADA (Tokyo University of Agriculture & Technology)

P2 Change of water quality by 4 rivers restoration project in Nakdong river middle basin.

Suwan AN, Yongeun JOO, Seunggyu JUNG, Joonhong KIM, Hyeok LEE, Kihae KIM, Yeonjung CHO (Yeungnam University)

P3 Human exposure to perfluorinated compounds and their formation potentials via food consumption in Osaka, Japan.

Yuji SUZUKI, Shuhei TANAKA, Shigeo FUJII, Haruka ANDO, Satoru YUKIOKA, Ryota KITAO (Kyoto University), Norimitsu SAITO (Research Institute for Environmental Sciences & Public Health of Iwate Prefecture)

P4 Removal of cesium in water using coagulation and precipitation.

Seong-beom KIM, Wontae LEE (Kumoh National Institute of Technology)

P5 Detection of Japanese PRTR chemicals using GC/MS simultaneous measuring in first and second class River ~ Comparison with report on environmental survey and monitoring of chemicals~.

Saori MIHO, Toshihiro IIZUKA, Takumi OHASHI, Takashi KAMEYA (Yokohama National University)

P6 Enhanced gas permeability of PVA/alginate beads by adding forming agent.

Daehee CHOI, Wonsang YUN, Hunyoung PARK, Jinyoung JUNG (Yeungnam University), Taekyu EOM (Kyungsung University)

P7 A technique for detecting trace transformation products in water environments without authentic standard compounds.

Fumi HASHIMOTO, Hirokazu TAKANASHI, Tsunenori NAKAJIMA, Akira OHKI, Takehiko UEDA, Jun-ichi KADOKAWA (Kagoshima University), Hidenori ISHIKAWA, Nobukazu MIYAMOTO (IDEA Consultants, Inc.)

P8 Removal of organic matters and chemicals of emerging concern in wastewater through a soil column.

Soohyung PARK, Wontae LEE (Kumoh National Institute of Technology)

P9 The membrane fouling biofilm: an extreme environment in wastewater treatment and reclamation.

Tomohiro INABA, Tomoyuki HORI, Ronald R. NAVARRO, Hidenobu AIZAWA, Atsushi OGATA, Hiroshi HABA (National Institute of Advanced Industrial Science & Technology)

P10 Chemolithoautotrophic growth of a sulfur-oxidizing fungus *Fusarium solani* f.sp. pisi NBRC9425.

Haibo XU, Yoko KATAYAMA (Tokyo University of Agriculture & Technology)

P11 Ultra-high-sensitivity rRNA-SIP reveals nitrate-driven metabolic interaction of sulfur-oxidizing bacterial communities in deposited marine sediments.

Tomo AOYAGI, Ronald R. NAVARRO, Daisuke MAYUMI, Hiroshi HABE (National Institute of Advanced Industrial Science & Technology), Yoko KATAYAMA (Tokyo University of Agriculture & Technology), Mitsuru TAKASAKI (Ishinomaki Senshu University), Tomoyuki HORI (National Institute of Advanced Industrial Science & Technology)

P12 Isolation of a novel strain *Aurantiochytrium* sp. L3W with the characteristics suitable for cultivation of various wastes.

Yuya MAEDA, Das ASMIT, Satoshi NAKAI, Masaki OHNO, Takehiko GOTO, Wataru NISHIJIMA (Hiroshima University), Tetsuji OKUDA (Ryukoku University)

17:35~17:45 CLOSING SESSION

Closing remarks Akiyoshi SAKODA (the University of Tokyo, president of JSWE)
Shunhwa LEE (Yeungnam University)

SOCIAL PROGRAMS

Conference dinner

DATE & TIME: October 24 (Monday) 18:00~20:00

PLACE: Banquet room "KURAMA"

Excursion

DATE & TIME: October 25 (Tuesday) 9:00~15:00

PLACE: Lake Biwa Research Institute

Historical places of great cultural significance in Lake Biwa