

# COE Joint Symposium on Environmental Engineering between Bandung Institute of Technology, Chungbuk National University and Graduate School of Engineering, Hokkaido University

February 2-4, 2005

B11, Bldg. of School of Engineering, Hokkaido University, Sapporo, Japan

numbers of the participants: **80**  
(from abroad : **25** )

February 2, 2005

## Opening Ceremony

Chairperson: Prof. Naoyuki Funamizu

10:00-10:30

Prof. Tsuneyoshi NAKAYAMA

Dean, Graduate School of Engineering, Hokkaido University

Prof. Wisjnuaprpto

Bandung Institute of Technology

Prof. Kwang-Yul Kim

Dean, College of Engineering, Chungbuk National University

10:30-11:30 Keynote speech

Prof. Yoshimasa Watanabe

COE Program Leader, Hokkaido University

11:30-13:30 Lunch

## Session I : Water and Wastewater Treatment

Chairperson: Prof. Idris Maxdoni Kamil

13:30-14:00

Prof. Satoshi Okabe, Hokkaido University

Analysis of Structure, Function, and Eco-physiological  
Interactions in Complex Multispecies Biofilms

14:00-14:10

Mr. Herto D. Ariesyady, Hokkaido University

The diversity and abundance of propionate-oxidizing bacteria in  
methanogenic environment analyzed by 16S rRNA approach and  
MAR-FISH technique

14:10-14:40

Prof. Wisjnuaprpto, Bandung Institute of Technology

Bioremediation of Petroleum Oil Contaminated Soils : the ongoing  
research activities

14:40-15:10

Prof. Hang-Bae Jun, Chungbuk National University

Nitrogen and Phosphorus Removal in a Combined Upflow  
Septic Tank and Aerobic Filter

15:10-15:30 Break

Chairperson: Prof. Hang-Bae Jun

15:30-16:00

Prof. Naoyuki Funamizu, Hokkaido University

Bio-toilet: A key technology for sustainable sanitation

16:00-16:30

Prof. Idris Maxdoni Kamil, Bandung Institute of Technology

Constructed Wetland for Improving Effluent Quality of  
Domestic Wastes – the ongoing research activities

16:30-17:00

Dr. Katsuki Kimura, Hokkaido University

Baffled Membrane Bioreactor (BMBR) for Advanced Wastewater  
Treatment

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## February 3, 2005

### Session II : River and Reservoir

Chairperson: Prof. Satoshi Okabe

10:00-10:30

Prof. Sung-Yong Ha, Chungbuk National University

Improvement of WASP Hydraulic Module for a Stratified Reservoir

10:30-11:00

Prof. Harukuni Tachibana, Hokkaido University

Pollution and Management of Ishikari River

11:00-11:10

Dr. Rofiq Iqbal, Hokkaido University

Water Chemistry Depth Profile in a Bog Reclamation Site

11:10-11:40

Prof. Se-Woong Chung, Chungbuk National University

Density Flow Regime of Turbidity Current into  
a Stratified Reservoir and Vertical 2-D Modeling

11:40-13:30 Lunch

### Session III : Solid Waste Management

Chairperson: Prof. Se-Woong Chung

13:30-14:00

Prof. Kwang-Yul Kim, Chungbuk National University

Assessment of Stabilization of An Open-dumping Landfill  
for the Post-closure Management

14:00-14:30

Prof. Toshihiko Matsuto, Hokkaido University

Citizen's Concerns and Attitude toward Solid Waste  
Management Facilities

14:30-14:45 Break

14:45-15:15

Prof. Enri Damanhuri, Bandung Institute of Technology

Landfill as a final disposal method for municipal solid waste  
in Indonesia - the current practiced and research of  
development

15:15-15:45

Dr. Yasumasa Tojo, Hokkaido University

Numerical Modeling of Long-Term Behavior of Waste in  
Landfill

16:00- Closing Remarks

Prof. Hiroshi Saeki

Vice President, Hokkaido Univ.

Prof. Yoshimasa Watanabe

COE Program Leader

18:00-20:00

Reception at Faculty House Enreiso (Trillium)

February 4, 2005 Technical Visit