



As of October 1, 2013

General Program

October 23 th , 2013 (Wednesday)		
Time		Room
13:00-17:00	Registration	Academic Lounge 2

October 24 th , 2013 (Thursday)		
Time		Room
8:30-9:30	Registration	Academic Lounge 2
9:30-9:40	Opening Ceremony	Academic Lounge 2
9:40-10:10	Group picture Coffee Break	Academic Lounge 2
10:10-11:30	Parallel session A1 & B1	A-101, A151
11:30-13:00	Lunch	Academic Lounge 2
13:00-14:20	Parallel session A2 & B2	A-101, A151
14:20-14:30	Coffee Break	Academic Lounge 2
14:30-16:10	Joint session C1	Academic Lounge 2
18:00-20:00	Welcome Reception	Engineering Cafeteria

October 25 th , 2013 (Friday)		
Time		Room
9:00-10:20	Joint session C2	Academic Lounge 2
10:20-10:30	Coffee Break	Academic Lounge 2
10:30-11:50	Special Lecture	Academic Lounge 2
11:50-12:00	Closing Ceremony	Academic Lounge 2
12:30-13:30	Lunch	ENREISO

October 26 th , 2013 (Saturday)		
Time		Room
9:00-18:00	Post-symposium trip (Sapporo and Otaru)	



Opening Ceremony

October 24 th , 2013 (Thursday)		
Time	Program	Room
Opening Ceremony and Welcome Speech		
9:30-9:40	Professor Tamon UEDA Director, International Exchange Office Hokkaido University	Academic Lounge 2

Special Lecture and Closing Ceremony

October 25 th , 2013 (Friday)		
Time	Program	Room
Special Lecture		
10:30-11:50	<i>“Techno-diversity (tentative title)”</i> Professor Yoshimasa WATANABE Institute for Research and Development Chuo University, Japan	Academic Lounge 2
Closing Ceremony		
11:50-12:00	Associate Professor Daisuke SANO Advisory Member of Symposium Organizing Committee Hokkaido University	Academic Lounge 2



Parallel Sessions

October 24 th , 2013 (Thursday)		
Parallel Session		A1:Anammox
Room		A-101
Chairman		Associate Prof. Hisashi SATOH
Time	Presenter	Title
10:10-10:30	Yui-Hsien LIN	Petrochemical Wastewater Treatment by Partial Nitrification and ANAMMOX Processes
10:30-10:50	Muhammad ALI	Rapid Preservation and Reactivation of Anaerobic Ammonium Oxidizing Bacteria
10:50-11:10	Phan The NHAT	High- rate nitrogen removal from old landfill leachate using partial nitrification SBR coupled with anammox internal circulation reactor
11:10-11:30	Lashitha RATHNAYAKE	Effects of DO and pH on N ₂ O Production and Its Pathways in PN Granules
Parallel Session		A2:Wastewater treatment
Room		A-101
Chairman		Assistant Prof. Ken USHIJIMA
Time	Presenter	Title
13:00-13:20	Phatchariya RUNGKITWATANANUKUL	Fluidized Bed Reactor Using Rubber Granule as a Media : Effect of Organic Loading Rate and Its Microbial Population
13:20-13:40	Niti PITAKTEERATHAM	Phosphate ion recovery from membrane bioreactor (MBRs) excess sludge by anaerobic membrane bioreactor (AnMBR) combined with zirconium sulfate-surfactant micelle mesostructure immobilized on polymer matrix
13:40-14:00	Sri GUSTIANI	Insertion of silver and titanium dioxide nanoparticles into bacterial cellulose (BC) nanofibers for color removal of textile wastewater
14:00-14:20	Narapong HONGPRASITH	Study of oxygen transfer mechanism from different aerators (mechanical surface and diffused aerator for aeration process) for aeration process



October 24th, 2013 (Thursday)		
Parallel Session		B1:New method
Room		A-151
Chairman		Associate Prof. Taku MATSUSHITA
Time	Presenter	Title
10:10-10:30	Mei-Hua YUAN	Development of a new technique for control and optimization of wastewater treatment plants using Cloud-computing concept
10:30-10:50	Akira HAFUKA	Design and Synthesis of Fluorescent Molecular Sensors for Heavy Metal Ions and their Environmental Applications
10:50-11:10	Yi-Ting CHIU	Development of a monitoring platform for cyanotoxin and odorant-producing cyanobacteria using real-time PCR
11:10-11:30	Hiroe Hara-Yamamura	Searching for biologically active fraction of wastewater effluents using toxicogenomic approach
Parallel Session		B2:Removal of contaminants
Room		A-151
Chairman		Dr. Takayuki MIURA
Time	Presenter	Title
13:00-13:20	Chih-Hung CHEN	Application of Immobilized Cells for Diesel Contaminated Aqueous Environments
13:20-13:40	Chea SOVATTE	Adsorption of lead in fixed-bed column using sodium carbonate treated rice husk
13:40-14:00	Dang Vu Xuan HUYEN	Assessment of treatment removal of slow-rate land treatment for piggery and latex wastewaters
14:00-14:20	Mohan AMARASIRI	Human Enteric Bacteria-Receptors of Human Norovirus and Implications in Microfiltration

Joint Sessions

October 24 th , 2013 (Thursday)		
Joint Session		C1:MBR
Room		Academic Lounge 2
Chairman		Dr. Hiroshi YAMAMURA
Time	Presenter	Title
14:30-14:50	Kibaek LEE	Biofouling control technique in MBR using quorum quenching bacteria entrapping silica bead
14:50-15:10	So ISHIZAKI	Evaluations of Biofouling Potential of the Bacteria Isolated from the MBR Treating Municipal Wastewater by a Cross-flow Filtration System
15:10-15:30	Tokihiko KURITA	Energy Saving in Operation of Submerged MBRs by Insertion of Baffles and Introduction of Granular Materials
15:30-15:50	Young-June WON	Preparation and application of patterned membrane in water and wastewater treatment
15:50-16:10	Xiaoxu YAN	Optimization of the hydrodynamics of air-lift membrane bioreactor: mathematical simulation and experimental validation

October 25 th , 2013 (Friday)		
Joint Session		C2:Others
Room		Academic Lounge 2
Chairman		Associate Prof. Daisuke SANO
Time	Presenter	Title
9:00-9:20	Astri RINANTI	Improvement of CO ₂ utilization efficiency by phototrophic green microalgae cultivated under elevated CO ₂ levels in vertical column photobioreactor
9:20-9:40	Ayano KOBAYASHI	A new framework to determine the water quality standard value based on the acceptable risk of infection
9:40-10:00	Derabe-Maobe HINA	Greywater treatment and resources recovery using high rate algal pond
10:00-10:20	Xi CHEN	Microbial Desalination Cells : Desalination Efficiency and Operational Stability