

**Day 1 <October 24, 2010 (Sunday)>**

Excursion (8:00) / Registration/Welcome Reception (18:00)


**Day 2 <October 25, 2010 (Monday)>**

|   |   |   |  |
|---|---|---|--|
| 8:30 - 10:00                                    | <b>Opening Ceremony</b><br><b>Welcome remarks</b><br><b>Keynote Speech</b><br><i>Next-generation technology for water and wastewater treatment with membrane</i><br>Prof Kazuo Yamamoto, Environmental Science Center, University of Tokyo<br><b>Water management in Patong municipality: Before and AfterTsunami</b><br>Mr. Chairat Sukabal, Deputy Mayor of Patong municipality |   |  |
| 10:00 - 10:30                                   | Coffee Break  |   |  |
|   | <b>Room A</b>   | <b>Room B</b>   | <b>Room C</b>  |
| <b>Parallel Session 1</b>                       | <b>A1: Watershed Research</b><br>Chair : Dr. Kei Nishida & Dr. Saeid Eslamian<br>A1-1 Tran Van Ty<br>A1-2 G. H. A. C. Silva<br>A1-3 Suharyanto  | <b>B1: Water Environmental Issues and Sustainability (Supported by APIEL)</b><br>Chair : Dr. Kyoung-Jin An & Dr. Gyu Tae Seo<br>B1-1 Vishnu P. Pandey<br>B1-2 T. Akiyama<br>B1-3 Priana Sudjono       | <b>C1: Membrane Process (Supported by Water-InTro)</b><br>Chair : Dr. Chari Chiemchaisri & Dr. Adeline Seak May Chua<br>C1-1 Amila Abeynayaka<br>C1-2 W. Banchapattanasakda<br>C1-3 Toru Watanabe  |
| 10:30 - 12:00                                   |   |   |  |
| 12:00 - 13:00                                   | Lunch   |   |  |
| <b>Parallel Session 2</b>                       | <b>A2: Groundwater Issues</b><br>Chair : Prof. Satoshi Takizawa & Thammarat Kootatep<br>A2-1 AL. Ramanathan<br>A2-2 Aksara Putthividhya<br>A2-3 T. Nakamura<br>A2-4 Ganesh C. Saha  | <b>B2: Socio-economical Issues (Supported by APIEL)</b><br>Chair : Dr. T. Aramaki & Dr. T. Akiyama<br>B2-1 Kamal Dahanayake<br>B2-2 Nawa Raj Khatiwada<br>B2-3 Pongsak Suttinon<br>B2-4 S.M. A. Islam | <b>C2: Water-InTro Workshop - I</b><br>Research and Development for Water Reuse Technology in Tropical Regions: Strategy and Technology to Provide Sustainable Water Resources for All   |
| 13:00 - 15:00                                   |   |   |  |
| 15:00 - 15:30                                   | Coffee Break  |   |  |
| <b>Parallel Session 3</b>                       | <b>A3: Sediment and Erosion</b><br>Chair : Dr. H. Ishidaira and Dr. N Raj Khatiwada<br>A3-1 A. Bennui<br>A3-2 Kazuhiro Kakizawa<br>A3-3 S. K. Chaerun   | <b>B3: Physico-chemical Treatments</b><br>Chair : Dr. Chettiyappan Visvanathan & Dr. Kamal Dahanayake<br>B3-1 Warangkana Jutidamrongphan<br>B3-2 P. Mondal<br>B3-3 Suraphong Wattanachira             | <b>C3: Water-InTro Workshop - II</b><br>Research and Development for Water Reuse Technology in Tropical Regions: Strategy and Technology to Provide Sustainable Water Resources for All  |
| 15:30 - 17:00                                   |   |   |  |
| 17:00 - 18:00                                   | Poster Session  |   |  |
| 18:00 -   | Symposium Dinner (Supported by Prince of Songkla University)  |   |  |
| <b>Day 3 &lt;October 26, 2010 (Tuesday)&gt;</b> |   |   |  |
|   | <b>Room A</b>   | <b>Room B</b>   | <b>Room C</b>  |
| <b>Parallel Session 4</b>                       | <b>A4: Lake and Reservoirs</b><br>Chair : Dr. F. Kazama & Dr. S. K. Chaerun<br>A4-1 Dyah Marganingrum<br>A4-2 Indah R S Salami<br>A4-3 Awalina Satya<br>A4-4 Le Anh Tuan  | <b>B4: Industrial Wastewater</b><br>Chair : Dr. Suraphong Wattanachira & Dr. F. Kurisu<br>B4-1 Adeline Seak May Chua<br>B4-2 V. Arutchelvan<br>B4-3 Somtip Danteravanich<br>B4-4 M.R. Alavi Moghaddam | <b>C4: Water Environment in the Tropics (Supported by Water-InTro)</b><br>Chair : Dr. Somtip Danteravanich & Dr. Manish Kumar<br>C4-1 G.G. Tushara Chaminda<br>C4-2 Md. Mafizur Rahman<br>C4-3 Unchalee Roekdee<br>C4-4 Nyein Nyein Aung |
| 8:00 - 10:30                                    |   |   |  |
| 10:30 - 11:00                                   | Coffee Break  |   |  |
| <b>Parallel Session 5</b>                       | <b>A5: Pollution Load</b><br>Chair : Dr. Udomphon Puetpaiboon & Dr. Tushara Chaminda<br>A5-1 Nga Do-Thu<br>A5-2 Vinay Kumar Tyagi<br>A5-3 G. Ali  | <b>B5: Biological Treatment</b><br>Chair : Dr. H. Sato & Dr. Nyien Nyien Aung<br>B5-1 S. M. Shamsul Huda<br>B5-2 Tsuyoshi Imai<br>B5-3 Rajinikanth Rajagopal  | <b>C5: CREST Session</b><br>Innovative Technology and System for Sustainable Water Use: Development of well-balanced urban water use systems adapted for climate change  |
| 11:00 - 12:30                                   |   |   |  |
| 12:30 - 13:00                                   | Break   |   |  |
| 13:00 - 14:30                                   | Farewell Lunch  |   |  |

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|----------------------|--|
|                      | <b>Opening Ceremony</b>  |
| <b>8:30 to 10:00</b> | <b>Welcome remarks</b>   |
|                      | <b>Keynote Speech</b><br>Next-generation technology for water and wastewater treatment with membrane<br>Prof Kazuo Yamamoto, Environmental Science Center, University of Tokyo |
|                      | <b>Coffee break</b>  |

| Session                       | A-1  |  | B-1   |   | C-1   |  |
|-------------------------------|--|--|---|---|---|--|
|                               | <b>Watershed Research</b>                              |  | <b>Water Environmental Issues and Sustainability<br/>(Supported by APIEL)</b> |   | <b>Membrane Process<br/>(Supported by Water-InTro)</b>        |  |
| <b>Chairpersons</b>           | <b>Dr. Kei Nishida &amp; Dr. Charongpun Musikavong</b> |  | <b>Dr. Kyoung-Jin An &amp; Dr. Manish Kumar</b>                               |   | <b>Dr. Chart Chiemchaisri &amp; Dr. Adeline Seak May Chua</b> |  |
| <b>10:30<br/>to<br/>12:00</b> | A1-1   | Assessing the Impacts of Water Infrastructure Development on Water Resources: A Case Study in the Upper Srepok River Basin, Vietnam  | B1-1  | Groundwater Sustainability Infrastructure Index (GSII): a measure of sustainability in groundwater management | C1-1  | Chemical-free and carbon neutral membrane based emergency water supply system  |
|                               | A1-2   | Application of YHyM/ BTOPMC to assess hydrological response of Gin river basin at southern Sri Lanka   | B1-2  | An Integral Approach to Environmental Leadership Education  | C1-2  | Reduction of Dissolved Organic Matter in Raw Water Supply Reservoir by Hybrid Ultrafiltration Process                      |
|                               | A1-3   | Analysis of Basin-Based Wastewater Management (BBWM) and its impact on pollution load reduction of domestic sewage in two case studies: Suwa, Japan and Bandung, Indonesia | B1-3  | Index Development for Assessing Water Environmental in Belawan Estuary  | C1-3  | Performance of long-term operation of membrane bioreactor with in-line sludge thickener enhanced by inclined tubes (itMBR) |
|                               | <b>Lunch</b>   |  |   |   |   |  |

| Session                       | A-2   |  | B-2   |   | C-2   |
|-------------------------------|---|--|---|---|---|
|                               | <b>Groundwater Issues</b>                               |  | <b>Socio-economical Issues<br/>(Supported by APIEL)</b> |   | <a href="#"><u>Water-InTro Workshop-I</u></a>   |
| <b>Chairpersons</b>           | <b>Prof. Satoshi Takizawa &amp; Thammarat Koottatep</b> |  | <b>Dr. T. Aramaki &amp; Dr. T. Akiyama</b>              |   |   |
| <b>13:00<br/>to<br/>15:00</b> | A2-1  | Assessment of groundwater for human use in Thoubal District of Manipur, India  | B2-1  | Domestic rainwater harvesting systems for rural communities-experience from Sri Lanka           |  <p><b>Research and Development for Water Reuse Technology in Tropical Regions: Strategy and Technology to Provide Sustainable Water Resources for All</b></p> |
|                               | A2-2  | Assessment of groundwater contamination with NO <sub>3</sub> <sup>-</sup> in a heavily fertilized and intensively cultivated floodplain of Thailand using GIS and column transport experiments | B2-2  | Assessing the implications of climate change risks in a community water supply project in Nepal |   |
|                               | A2-3  | Sources of nitrogen contamination in groundwater deduced by nitrate isotopes in Kathmandu Valley, Nepal  | B2-3  | Residential Water Demand Curve by Using Behavioral Economics Approach: Case of Thailand         |   |
|                               | A2-4  | Assessment of Safe Distances between Tubewell and Pit Latrine in Sandy Soil of Bangladesh  | B2-4  | The impact of local water supply and sanitation in slum dwelling of Dhaka City                  |   |
| <i>Coffee break</i>           |   |  |   |   |   |

| Session              | A-3   |   | B-3  |  | C-3  |
|----------------------|---|---|--|--|--|
|                      | <b>Sediment and Erosion</b>                     |   | <b>Physico-chemical Treatments</b>                             |  | <a href="#"><u>Water-InTro Workshop II</u></a>   |
| <b>Chairpersons</b>  | <b>Dr. H. Ishidaira and Dr. N Raj Khatiwada</b> |   | <b>Dr. Chettiyappan Visvanathan &amp; Dr. Kamal Dahanayake</b> |  |  |
| 15:30<br>to<br>17:00 | A3-1  | Application of Geo-Informatics on the Coastal Erosion Monitoring of the East Coast of the Thai Southern Peninsular                            | B3-1   | Removal of phosphate from wastewater by Zirconium Ferrite adsorption   |  <p><b>Research and Development for Water Reuse Technology in Tropical Regions: Strategy and Technology to Provide Sustainable Water Resources for All'</b></p> |
|                      | A3-2  | Study on Estimation of Sediment Production in the Mekong River Using Global Datasets  | B3-2   | Treatment of arsenic bearing simulated groundwater by using surface modified GACs : A comparative study        |  |
|                      | A3-3  | Biogeochemical characterization of sediments from three largest dam reservoirs (Saguling, Cirata, Jatiluhur) in West Java Province, Indonesia | B3-3   | Chemical Classes of Dissolved Organic Matter in Raw Water Supply Treated by Polyaluminium Chloride Coagulation |  |
|                      | Poster presentation                             |   |  |  |  |
|                      | <i>Dinner</i>                                   |   |  |  |  |

| Session                      | A-4  |  | B-4   |   | C-4  |   |
|------------------------------|--|--|---|---|--|---|
|                              | <b>Lake and Reservoirs</b>                 |  | <b>Industrial Wastewater</b>                          |   | <b>Water Environment in the Tropics<br/>(supported by WateR-InTro)</b> |   |
| <b>Chairpersons</b>          | <b>Dr. F. Kazama &amp; Dr. Gyu Tae Seo</b> |  | <b>Dr. Suraphong Wattanachira &amp; Dr. F. Kurisu</b> |   | <b>Dr. Somtip Danteravanich &amp; Dr. Toru Watanabe</b>                |   |
| <b>8:00<br/>to<br/>10:30</b> | A4-1                                       | Potential reservoirs Saguling as an alternative source of raw water to meet future water demand rate in BMI in terms of quantity aspects (Preliminary Study)       | B4-1  | Removal of Ammonium from Latex Processing Wastewater by Struvite Precipitation  | C4-1   | Occurrence of pharmaceutical and personal care products (PPCPs) in wastewaters and surface waters in industrial estates in Thailand |
|                              | A4-2                                       | Study on the application of local aquatic plants to reduce copper concentration in reservoir used for floating cage aquaculture fishery                            | B4-2  | Biodegradation of textile dyeing wastewater using two phase pilot plant UASB reactor with sago wastewater as co-substrate                     | C4-2   | Trend Analysis and Assessment of Nutrient in the Peripheral Rivers around Dhaka City  |
|                              | A4-3                                       | Spatial and Temporal Distribution Patterns of Phytoplankton Abundance Related to Water Quality in Lake Singkarak, West Sumatra                                     | B4-3  | Pretreatment of concentrated latex industry wastewater by using coagulation   | C4-3   | The water environment of Tapi River and the coastal of Bandon Bay, Surat Thani province, Thailand: A review of 10 years monitoring  |
|                              | A4-4                                       | Does common reed ( <i>Phragmites</i> spp.) contribute to the removal of phosphorous and nitrogen from domestic wastewater in constructed subsurface flow wetlands? | B4-4  | Comparison of adding ferric chloride and poly aluminum chloride coagulants into sequencing batch reactor for decolorization of a reactive dye | C4-4   | Estimation of Labile heavy metals in downstream of the Chao Phraya River using equilibrium model                                    |
| <b>10:30-</b>                | <i>Coffee Break</i>                        |  |   |   |  |   |

| Session                       | A-5  |   | B-5   |  | C-5  |
|-------------------------------|--|---|---|--|--|
|                               | <b>Pollution Load</b>                                      |   | <b>Biological Treatment</b>                   |  | <b>CREST Session</b>   |
| <b>Chairpersons</b>           | <b>Dr. Udomphon Puetpaiboon &amp; Dr. Tushara Chaminda</b> |   | <b>Dr. H. Sato &amp; Dr. Nyien Nyien Aung</b> |  |  |
| <b>11:00<br/>to<br/>12:30</b> | A5-1   | Application of Material Flow Analysis in assessing nutrient fluxes in Day – Nhue river basin, Vietnam     | B5-1  | Degradation of Excess Sludge Accumulating Polyhydroxybutyrate Produced from Energy Saving Activated Sludge Process under Anaerobic Digestion | <p><i>Core Research for Evolutional Science and Technology, supported by Japan Science and Technology Agency (JST)</i></p> <p><b>Innovative Technology and System for Sustainable Water Use:<br/>Development of well-balanced urban water use systems adapted for climate change</b></p> |
|                               | A5-2   | Effects of Holi (Festival in India) Colors on the Performance of 18 MLD Sewage Treatment Systems in India | B5-2  | Isolation of PHA-producer capable of using Biodiesel by-product glycerol   |  |
|                               | A5-3   | Water Pollution Monitoring and Management: A Review of Bangkok  | B5-3  | Nitrogen removal via nitrite pathway: a sustainable solution for livestock waste/wastewater management in Southeast Asian countries          |  |
|                               | <i>break</i>   |   |   |  |  |
| <b>13:00</b>                  | <i>Farewell lunch</i>                                      |   |   |  |  |