

3rd JSPS-DOST International Symposium on Environmental Engineering (Symposium on Harmonizing Infrastructure Development with the Environment)

Organized by: University of the Philippines Diliman, Tokyo Institute of Technology and Kasetsart University

Supported by: Japan Society for the Promotion of Science (JSPS) and

Department of Science and Technology (DOST) of the Philippines

9-10 March 2009, SEAMEO INNOTECH, University of the Philippines, Diliman, Quezon City, Philippines



SYMPOSIUM REPORT

1. Overview

On March 9-10, 2009 at the SEAMEO-INNOTECH in UP Diliman, the 3rd and final symposium “JSPS-DOST International Symposium on Environmental Engineering” (Symposium on Harmonizing Infrastructure Development with the Environment) has been successfully held capping 10-year JSPS-DOST Core University Program on Environmental Engineering that also launched the book publication entitled “Sustainable Civil Engineering: Harmonizing Infrastructure Development with Environment” with contributions from researchers from the core and partner universities of the program. The Symposium was mainly a plenary session for Day 1 consisting of group presentations that presented selected contents the book publication and reactions from discussants with open forum. On Day 2, 4 parallel technical sessions, 4 parallel workshop sessions on future collaboration and presentation on plenary session have been held. Social events included opening ceremony, closing program and conference cocktails. Table 1 shows the program.

Table 1. Symposium Program

Day 1, March 9 (Monday)	
8:30-9:00 AM	Registration
9:00-10:10 AM	Opening Ceremony (Plenary Session)
10:10-10:20 AM	Coffee Break
10:20 AM-12:20 PM	Group Presentations (Plenary Session)
12:20-1:20 PM	Lunch
1:20-2:40 PM	Reaction from Discussants (Plenary Session)
2:40-3:40 PM	Open Discussion
3:40-4:00 PM	Summary of Day 1 Activities and Announcements
4:30-6:00 PM	Cocktails
Day 2, March 10 (Tuesday)	
8:45 AM-12:00 NN	Technical Session (Parallel Sessions)
12:00-1:00 PM	Lunch
1:00-2:30 PM	Workshop for Future Collaboration (Parallel Workshop Sessions)
2:30-2:45 PM	Coffee Break
2:45-3:45 PM	Presentation of Workshop Outputs and Panel Discussion (Plenary Session)
3:45-4:00 PM	Closing Program (Plenary Session)

2. Opening Ceremony

The welcome remarks was given by Dr. Rowena Cristina L. Guevara, Professor and Dean of the College of Engineering of the University of the Philippines Diliman (UPD) with messages

from the Dr. Emerlinda R. Roman, President of the University of the Philippines (UP), Dr. Chitoshi Miki, Professor and Dean of the Faculty of Engineering of Tokyo Institute of Technology (Tokyo Tech), Dr. Kou Ikejima, Director of Bangkok Office of the Japan Society for the Promotion of Science (JSPS) and Usec. Fortunato T. De la Peña, Undersecretary for Science and Technology Services of the Department of Science and Technology (DOST) of the Philippines.

A presentation on JSPS Activities with Asia was given by Ms. Madoka Takeno of the Asian Program Division of the JSPS while Dr. Osamu Kusakabe, Professor of the Department of Civil and Environmental Engineering of Tokyo Tech and Coordinator (Japan) of the JSPS-DOST Core University Program on Environmental Engineering, presented the overview of the program. The opening ceremony has been hosted by Dr. Hilario Sean O. Palmiano, Assistant Professor of the Institute of Civil Engineering of UP Diliman.

3. Group Presentations (Presentation of Book Contents)

Selected contents of the book publication were presented by the following research group leaders with the corresponding presentation titles:

Group 1 – Atmospheric Circulation of Water and Air and Environmental Problems

Dr. Kazuo Nadaoka

Professor, Department of Mechanical and Environmental Informatics
Tokyo Institute of Technology

Group 2 – Possibility of Mobility Management in Asian Countries

Dr. Satoshi Fujii

Professor, Department of Civil and Environmental Engineering
Tokyo Institute of Technology

Group 3 – Safety & Stability of Infrastructures against Environmental Impacts

Dr. Hideki Ohta

Professor, Department of International Development Engineering
Tokyo Institute of Technology
and

Dr. Andres W. C. Oreta

Professor, Department of Civil Engineering
De La Salle University-Manila

Group 4 – Infrastructure Maintenance/Upgrade for Minimal Environmental Impact

Dr. Sohichi Hirose

Professor, Department of Mechanical and Environmental Informatics
Tokyo Institute of Technology

The plenary session has been moderated by Dr. Hilario Sean O. Palmiano, Assistant Professor of the Institute of Civil Engineering of UP Diliman.

4. Reaction from Discussants

With the aim of communicating the recommendations of the book publication "Sustainable Civil Engineering: Harmonizing Infrastructure Development with Environment" to the policy-makers/decision-makers and the public, a panel discussion reacting to the contents of the book publication was held. The discussion was moderated by Dr. Benito M.

Pacheco, Professor and Director of the Institute of Civil Engineering of UP Diliman. Dr. Pacheco kindly requested Dr. Ricardo G. Sigua, Professor of the Institute of Civil Engineering and Coordinator (Philippines) of the JSPS-DOST Core University Program on Environmental Engineering and co-edited the book publication, to provide a recap of the salient points of the book especially on the recommendations to the various sectors.

The following members of the panel presented their reactions to the publication:

Mr. Sawaeng Jongsutijarittam

Chief, Asia and Africa Section, Office of International Affairs
National Research Council of Thailand (NRCT)

Dir. Ramon Santiago

Director for Public Safety and Special Operations, Office of the General Manager
Metropolitan Manila Development Authority (MMDA)

represented by

Ms. Margeline Serion, Special Operations Officer

Usec. Demetrio L. Ignacio

Undersecretary for Policy and Planning

Department of Environment and Natural Resources (DENR)

represented by

Engr. Cesar S. Siador Jr.

Chief, Environmental Impact Assessment and Management Division, DENR-EMB)

5. Technical Sessions and Workshop for Future Collaboration

On Day 2, 4 parallel technical sessions in the morning and 4 parallel workshops in the afternoon were held.

5.1 Technical Sessions

The technical sessions were chaired by the following:

Group 1 – Atmospheric Circulation of Water and Air and Environmental Problems

Moderator: Dr. Enrico C. Paringit

Assistant Professor and Chair

Department of Geodetic Engineering, UP Diliman

Group 2 – Urban Infrastructure Development and Environmental Management

Moderator: Dr. Karl N. Vergel, Associate Professor

Institute of Civil Engineering, UP Diliman

Group 3 – Safety & Stability of Infrastructures against Environmental Impacts

Moderator: Dr. Andres W. C. Oreta

Professor, Department of Civil Engineering, DLSU-Manila

Group 4 – Infrastructure Maintenance/Upgrade for Minimal Environmental Impact

Moderator: Prof. Ronaldo S. Gallardo

Associate Professor and Chair, Department of Civil Engineering, DLSU-Manila

5.2 Workshop for Future Collaboration

Parallel workshop sessions on future collaboration were conducted by the 4 groups consisting of Filipino, Japanese and Thai researchers with the following objectives:

- a) to provide an assessment of the core university program in terms of human resource development, research outputs and other outcomes; and
- b) to discuss on future directions and activities.

The following groups conducted workshops in parallel and were facilitated by the following researchers:

Group 1 – Atmospheric Circulation of Water and Air and Environmental Problems

Facilitators: Dr. Enrico C. Paringit (UPD), Dr. Yuji Toda (Nagoya Univ.) and Dr. Cheema Soralump (KU)

Group 2 – Urban Infrastructure Development and Environmental Management

Facilitator: Dr. Karl N. Vergel (UPD)

Group 3 – Safety & Stability of Infrastructures against Environmental Impacts

Facilitators: Dr. Jonathan R. Dungca (DLSU-Manila), Dr. Tomohide Takeyama (Tokyo Tech) and

Dr. Apiniti Jotisankasa (KU)

Group 4 – Infrastructure Maintenance/Upgrade for Minimal Environmental Impact

Facilitators: Dr. Nathaniel B. Diola (UPD), Dr. Ken Watanabe (Tokyo Tech) and Dr. Wanchai Yodsudjai (KU)

5.3 Presentation of Workshop Outputs and Panel Discussion

The workshop groups (Groups 1 to 4) presented their outputs in this plenary session and panel discussion. The panel discussion session was moderated by Dr. Jiro Takemura, Secretary (Japan), JSPS Core University Program on Environmental Engineering and Associate Professor, Department of Civil and Environmental Engineering, Tokyo Institute of Technology.

6. Symposium Cocktails

The symposium cocktails was hosted by the University of the Philippines Diliman (UPD) Chancellor Sergio S. Cao. On behalf of Chancellor Cao, UP Diliman Vice Chancellor for Academic Affairs Dr. Lorna I. Paredes delivered the welcome remarks. The first presentation was a cheerdancing demonstration from the UP Pep Squad. It was followed by a message from Professor Hideki Ohta of the Department of International Development Engineering of Tokyo Tech. A serenade by the world-renowned UP Singing Ambassadors followed. After the serenade and some more cocktails, a closing message was given by Professor Osamu Kusakabe of Tokyo Tech. The emcee of the cocktails was Dr. Cresencio M. Montalbo Jr., Associate Professor of the School of Urban and Regional Planning (SURP) of UP Diliman.

7. Closing Ceremony

Professor Osamu Kusakabe of Tokyo Tech, Coordinator (Japan) of the JSPS-DOST Core University Program on

Environmental Engineering summarized the 10-year core university program's achievements with some assessment and possible future directions. Professor Ricardo G. Sigua of the Institute of Civil Engineering of UP Diliman, Coordinator (Philippines) of the JSPS-DOST Core University Program on Environmental Engineering and Chair, Local Organizing Committee officially closed the symposium and thanked all who have contributed to the

success of the symposium and the core university program. The master of the ceremonies was Dr. Maria Antonia N. Tanchuling, Associate Professor of the Institute of Civil Engineering of UP Diliman.