

**2nd Joint Seminar between National University of Civil Engineering
and Saitama University
National University of Civil Engineering, Hanoi, Vietnam
September 4th, 2019**

Members of Research Centre for Sustainable Development (SD) in East Asia, graduate students from Graduate School of Humanities and Social Sciences and Graduate School of Science and Engineering attended 2nd Joint Seminar between National University of Civil Engineering (NUCE) and Saitama University (SU) on September 4th in 2019. This seminar is jointly organized by NUCE and SU and started since 2018. The seminar allows researchers and university students to exchange the latest advances in their research fields and provides an environment that fosters new collaboration and research ideas. Especially, the objectives of the joint seminar are 1) to provide a platform for researchers and students to exchange ideas and to discuss research findings and new advances in Sustainable development in East Asia, 2) to enhance research collaborations in research and education among universities and industries, and 3) to provide opportunities for cultural exchanges and understanding among participants.

In the opening session of the seminar, we had a welcome address from Assoc. Prof. Pham Duy Hoa, Rector of NUCE and a guest address by Prof. Hiroki Yamaguchi, President of SU. International collaborative activities between SU, NUCE and Vietnam were introduced by Prof. Satoshi Iijima, Center for Research and Training on International Development of SU and Assoc. Prof. Nguyen Hoang Giang, Director of International Cooperation Department of NUCE. Prof. Hiroyuki Taguchi, Graduate School of Humanities and Social Sciences of SU, introduced Strategic Research Area on Sustainable Development in East Asia, Saitama University. In the technical session, a total of 11 presentations from academic staff and 13 presentations from graduate students from NUCE and SU were delivered and had a fruitful discussion on the sustainable development in East Asia. On the same day, the opening ceremony of SATREPS laboratory was held at NUCE. In the working dinner, we enjoyed talking about future research collaboration, education system in Vietnam, cultures, history, and foods in Vietnam.

[Links]

Viet Nam News

<https://vietnamnews.vn/environment/535032/viet-nam-japan-co-operate-on-construction-waste-management.html#w9j75CaITMZcLbf3.97>

Nhan Dan Newspaper

<https://www.nhandan.com.vn/khoahoc-congngh/vi-moi-truong-xanh/item/41452302-nhat-ban-ho-tro-kinh-nghiem-tai-che-phe-thai-xay-dung.html>

Communist Party of Vietnam Newspaper

<http://www.cpv.org.vn/khoa-giao/quan-ly-phe-thai-xay-dung-ben-vung-than-thien-moi-truong-534009.html>





Agenda on 2nd NUCE-SU Joint Seminar

1st Floor, G3 Building, NUCE

- 13:30 Welcome participants on 1st Floor, G3 Building
- 14:00 Opening ceremony of SATREPS Laboratory
: 3rd Floor, Laboratory Building, National University of Civil Engineering
- 14:30 - 14:40 Opening and welcome remarks
by Assoc. Prof. Pham Duy Hoa, Rector of NUCE
- 14:40 - 14:50 Guest address
by Prof. Hiroki Yamaguchi, President of SU
- 14:50 - 15:00 Introduction to International Collaborative Activities between SU and Vietnam
by Prof. Satoshi Iijima, Center for Research and Training on International Development, SU
- 15:00 - 15:10 Introduction to International Collaborative Activities between NUCE and SU
by Assoc. Prof. Nguyen Hoang Giang, Director of International Cooperation Department, NUCE
- 15:10 - 15:20 Introduction to Strategic Research on Sustainable Development in East Asia, Saitama University
by Prof. Hiroyuki Taguchi, Graduate School of Humanities and Social Sciences, SU
- 15:20 - 15:30 Group Photo
- 15:30 - 16:00 Coffee break
- 16:00 - 17:30 Technical session:
- Parallel session
 - Each presentation is 7-min, including Q&A
 - **Academic staff presentations on 1st floor, G3 building**

chaired by Dr. Saito (SU) & Dr. Lam (NUCE)

1. Utilization of Construction and Demolition Waste and Industrial By-Products for Wastewater Treatment
Assist. Professor Takeshi Saito, Graduate School of Science and Engineering, SU
2. Studies on Fly Ash-Granulated Blast Furnace Slag Based Geopolymer Binder
Dr. Nguyen Tien Dung, Deputy Director, International Cooperation Department, NUCE
3. Activities for Recycling Promotion of Construction and Demolition Waste in Vietnam by International Joint Research Program
Dr. Yugo Isobe, CESS
4. Waste Amount and Composition Survey at Construction and Demolition Waste Landfill in Hanoi, Vietnam
Dr. Akira Kato, Postdoc Researcher, Graduate School of Science and Engineering, SU
5. Sulphate Resistance of Portland Cement Incorporating Fly Ash
Dr. Nguyen Trong Lam, Lecturer, Building Material Faculty, NUCE
6. Vietnam's Challenges to Promoting Human Capital Development
Assoc. Professor Hidekatsu Asada, Graduate School of Humanities and Social Sciences, SU
7. Choice Experiment to Understand Consumer Behavior to Help Regions Suffering from Natural Disaster
Assoc. Professor Kentaka Aruga, Graduate School of Humanities and Social Sciences, SU
8. Evaluating Future Water Quality of Urban Rivers in Hanoi Under Effect of Urbanization and Climate Change - The Application of Weap Model for Cau Bay River
Dr. Nguyen Lan Huong, Lecturer, Environmental Engineering Faculty, NUCE
9. Evaluation of Macropore Structure and Network of Autoclaved Aerated Concrete (AAC) and Permeant Pavor Blocks Using Microfocus X-Ray CT System
Akihiro Matsuno, Research Fellow, Graduate School of Science and

Engineering, SU

10. The Recycling Technology for Road Pavement Materials of Taisei Rotec in Japan

Kazunari Hirakawa, Taisei Rotec Cooperation

11. Combining Several Nondestructive Testing Techniques for Improving Concrete Properties Evaluation

Dr. Nguyen Ngoc Tan, Lecturer, Industrial and Building Engineering Faculty, NUCE

▣ **Graduate student presentations at Room 305, A1 building
chaired by Dr. Kato (SU) & Dr. Huyen (NUCE)**

1. Assessment of Practices in Construction and Demolition Waste Management in Hanoi and Ho Chi Minh City

Nghiem Ha Tan, PhD Student, NUCE

2. Characterization of Water Retention and Mass Transport Properties for Recycled Roadbed Materials Blended with AAC Fines

Ryohei Ito, Master Student, Graduate School of Science and Engineering, SU

3. The Influence of AAC Grains on Some Properties of Permeable Pavement Utilizing CDW and Industrial By-Products

Ngo Kim Tuan, PhD Student NUCE

4. Environmental Assessment at CDW Disposal Sites in Vietnam: Case Study in Thanh Tri and Vinh Quynh Landfills, Hanoi

Ngo Ha Thanh, Master Student, Graduate School of Science and Engineering, SU

5. Wastewater Characterization in a Combined Sewerage System in Hanoi City, Vietnam

Tran Hoai Son, PhD Student, NUCE

6. Assessing the Ability to Recycle and Utilization of Construction Demolition Waste (CDW) Masonry for Unbound Subbase in Vietnam

Tran Viet Cuong, Master Student, Graduate School of Science and Engineering, SU

7. Field Survey of Deteriorated Concrete Structures in Tropical Conditions With Non-Destructive Methods – Case Study: Short Span

Bridges In Northern Vietnam –

Phan Ngoc Hiep, Master Student, NUCE

8. Use of Energy-Dispersive X-Ray Spectroscopy (EDS) for the Element Analysis of Fine Residues Taken from A and Demolition Waste (CDW) Landfill in Hanoi, Vietnam

Ningning Hao, Master Student, Graduate School of Science and Engineering, SU

9. Use of Graded Crushed Concrete and Steel Slag Mixed with Autoclaved Aerated Concrete Grains for Unbound Road Base. Evaluation of Soaking Time on California Bearing Ratioproperty

Pham Van Nam, Master Student, NUCE

10. Economic Effects of Inward Foreign Direct Investment: The Case of Vietnamese Provinces

Pham Khanh Huyen, Master Student, Graduate School of Humanities and Social Sciences, SU

11. Analysis of Current Status of The Construction and Demolition Waste Illegal Dumping in Hanoi City: Case Study for Hai Ba Trung District

Luu Ngoc Cham, Master Student, NUCE

12. Domestic Value Creation in The Involvement in Global Value Chains in Asian Economies: Role of Supporting Industries

Pham Son Duong, Master Student, Graduate School of Humanities and Social Sciences, SU

13. Study of Identified Criterias to Select Areas for Park & Ride Application in Hanoi

Ngo Trung Phuong, Master Student, NUCE

17:30 - 17:35 Vote of Thanks by Prof. Ken Kawamoto- SU, Organizing Committee of NUCE-SU Joint Seminar