

International Collaborative Graduate Program (ICGP)
on Civil and Environmental Engineering

**Student Exchange Program in 2009 between Hanoi University of
Civil Engineering and Saitama University**

Date: 2009/09/22-26

Venue: Hanoi, Vietnam

Participants (from Saitama University):

Faculties: Hiroshi Mutsuyoshi and Shingo Asamoto

Students: Kyosuke Kato, Ryo Sugihara, Shiro Suzuki, Ryosuke Takeda and Tatsuya Ishihama

Schedule in Vietnam

-September 22, 2009: Arrival at Hanoi International Airport.

- September 23:

+ Morning: Meeting with President and Professors of Hanoi University of Civil Engineering (HUCE) to discuss about further cooperation between both Universities.

Presentation Program of Exchange Seminar between HUCE and Saitama University

+ Afternoon: Visit Bridges in Hanoi including a concrete bridge and a steel bridge.

- September 24:

+ Morning: Meeting with leaders of CONINCO

+ Afternoon: International symposium “Recent Technologies for Infrastructure Development in Japan and Vietnam”

- September 25:

+ Morning: Discussion among students between SU and HUC

+ Afternoon: Visit some infrastructures in Hanoi

(It was canceled due to participants' sickness)

- September 26:

+ Morning and afternoon: Visit Baichay Bridge

+ Night: Return back to Japan

ORGANIZERS:

INTERNATIONAL COLLABORATIVE GRADUATE PROGRAM (ICGP)
SAITAMA UNIVERSITY

CONSULTANT AND INSPECTION JOINT STOCK COMPANY
OF CONSTRUCTION TECHNOLOGY AND EQUIPMENT - CONINCO

THE VIETNAM ASSOCIATION OF STRUCTURAL ENGINEERING
AND CONSTRUCTION TECHNOLOGY (VASECT)

JAPAN PRESTRESSED CONCRETE ENGINEERING
ASSOCIATION (JPCEA)

HANOI UNIVERSITY OF CIVIL ENGINEERING (HUCE)

INTERNATIONAL SYMPOSIUM

RECENT TECHNOLOGY FOR INFRASTRUCTURE DEVELOPMENT IN

JAPAN & VIETNAM

EDITED BY:
HIROSHI MUTSUYOSHI & HA MINH

HANOI 2009

ĐỒNG TỔ CHỨC ORGANIZERS	<h2 style="margin: 0;">INVITATION</h2>	<p style="text-align: center;">CHƯƠNG TRÌNH HỘI THẢO SYMPOSIUM'S PROGRAM</p> <p>13:15-13:30: Đón tiếp đại biểu Registration</p> <p>13:30-13:45: Lễ khai mạc Opening Ceremony</p> <p>13:45-15:15: Các bài thuyết trình của các chuyên gia Nhật Bản và Việt Nam Presentation by Experts from Japan and Vietnam</p> <p>15:15-15:30: Nghỉ giải lao Coffee Break</p> <p>15:30-16:45: Các bài thuyết trình của các chuyên gia Nhật Bản và Việt Nam Presentation by Experts from Japan and Vietnam</p> <p>16:45-17:00: Lễ bế mạc Closing Ceremony</p>	<p style="text-align: center;">Tiên trọng kính mời Request the honour presence of</p> <p style="text-align: center;">Đến tham dự / At</p> <p style="text-align: center;">HỘI THẢO QUỐC TẾ VỀ CÔNG NGHỆ MỚI TRONG PHÁT TRIỂN CƠ SỞ HẠ TẦNG TẠI NHẬT BẢN VÀ VIỆT NAM INTERNATIONAL SYMPOSIUM ON RECENT TECHNOLOGY FOR INFRASTRUCTURE DEVELOPMENT IN JAPAN AND VIETNAM</p> <p style="text-align: center; font-size: 0.8em;">Time: 13:00 - 16:00 September 2009 Venue: Conference Hall 201 - Headquarters of CONINCO Số 4 Tôn Thất Tùng St., Đống Đa Dist., Hanoi</p> <p style="text-align: center; font-size: 0.8em;">Thời gian: 13 giờ 30 ngày 24/09/2009 Địa điểm: Phòng Hội thảo 201 - Trụ sở công ty CONINCO Số 4 Tôn Thất Tùng, Đống Đa, Hà Nội</p> <p style="text-align: center;">Rất hân hạnh được đón tiếp Your attendance is our great honour</p> <p style="text-align: center; font-size: 0.8em;">Chủ tịch Hội Kĩ thuật và Công nghệ xây dựng Việt Nam President of Vietnam Association of Structural Engineering and Construction Technology</p> <div style="text-align: center;"> <p style="font-size: 0.8em;">GS. TXKH. Nguyễn Văn Lộc</p> </div>
<p style="text-align: center;">ĐỒNG TỔ CHỨC ORGANIZERS</p> <div style="display: flex; flex-direction: column; gap: 10px;"> <div style="display: flex; align-items: center;"> <p style="font-size: 0.8em;">SAITAMA UNIVERSITY Trường Đại học Tổng hợp Saitama - Nhật Bản</p> </div> <div style="display: flex; align-items: center;"> <p style="font-size: 0.8em;">CONSULTANT AND INSPECTION JOINT STOCK COMPANY OF CONSTRUCTION TECHNOLOGY AND EQUIPMENT - CONINCO Công ty Cổ phần Tư vấn Công nghệ, Thiết bị và Vật liệu xây dựng - CONINCO</p> </div> <div style="display: flex; align-items: center;"> <p style="font-size: 0.8em;">THE VIETNAM ASSOCIATION OF STRUCTURAL ENGINEERING AND CONSTRUCTION TECHNOLOGY (VASECT) Hội Kĩ thuật và Công nghệ xây dựng Việt Nam (VASECT)</p> </div> <div style="display: flex; align-items: center;"> <p style="font-size: 0.8em;">JAPAN PRESTRESSED CONCRETE ENGINEERING ASSOCIATION (JPCEA) Hội Sơ hiệp kỹ thuật Nhật Bản (JPCEA)</p> </div> <div style="display: flex; align-items: center;"> <p style="font-size: 0.8em;">HANOI UNIVERSITY OF CIVIL ENGINEERING (HUCE) Trường Đại học Kỹ thuật Hà Nội</p> </div> </div>	<p style="font-size: 1.2em; margin: 0;">HỘI THẢO QUỐC TẾ VỀ CÔNG NGHỆ MỚI TRONG PHÁT TRIỂN CƠ SỞ HẠ TẦNG TẠI NHẬT BẢN VÀ VIỆT NAM</p> <p style="font-size: 0.8em; margin: 5px 0 0 0;">INTERNATIONAL SYMPOSIUM ON RECENT TECHNOLOGY FOR INFRASTRUCTURE DEVELOPMENT IN JAPAN AND VIETNAM</p> <p style="font-size: 0.8em; margin: 0;">HANOI 2009</p>		

Presentation Program of Exchange Seminar

between HUCE and Saitama University

September 23, Hanoi University of Civil Engineering, Vietnam

Organizer:

- **International Collaborative Graduate Program (ICGP), Saitama University, Japan**

Co-organizers:

- **Hanoi University of Civil Engineering, Vietnam**

Chairman: Dr. Ha Minh

Conference place – Seminar Room of Hanoi University of Civil Engineering

- 9:30-9:45 Introduction to ICGP program and International program in Saitama University
Hiroshi Mutsuyoshi, Professor, Saitama University, Japan
- 9:45-10:00 Experimental study on volumetric change of cementitious materials
Kyosuke Kato and Shingo Asamoto, Saitama University, Japan
- 10:00-10:15 Fundamental study on inhibitive effect of steel corrosion in reinforced concrete
Ryo Sugihara and Hiroshi Mutsuyoshi, Saitama University, Japan
- 10:15-10:30 Study on Exploiting the HydroStar and ARIANE Softwares (Bureau Veritas, France)
for Strength Analysis of Anchorage System of Floating Production-Storage
-Offloading Units (FPSOs) in Vietnam Conditions
Nguyen Thi Thu Ha, Hanoi University of Civil Engineering, Vietnam
- 10:30-10:45 Simple design concept for cracking resistance of restrained expansive concrete
Nguyen Trong Lam, Hanoi University of Civil Engineering, Vietnam
- 10:45-11:00 Shear behavior of reinforced concrete beams and prestressed reinforced concrete
beams using ultra-high-strength concrete
Ryosuke Takeda, Hiroshi Mutsuyoshi and Shingo Asamoto, Saitama University,
Japan
- 11:00-11:15 Application of hybrid FRP to bridges as structural members
Tatsuya Ishihama, Hiroshi Mutsuyoshi and Nguyen D. Hai, Saitama University,
Japan
- 11:15-11:30 Shear behavior of fiber reinforced concrete beams focusing on cracks
Shiro Suzuki and Takeshi Maki, Saitama University, Japan
- 11:30-11:45 Closing remarks
Dr. Ha Minh, CONINCO, Vietnam

Recent Technologies for Infrastructure Development in

Japan and Vietnam

September 24, Hanoi, Vietnam

Venue: Conference hall 701 at headquarters of CONINCO, Hanoi, Vietnam

Organizer:

- **International Collaborative Graduate Program (ICGP), Saitama University, Japan**

Co-organizers:

- **Hanoi University of Civil Engineering, Vietnam**
- **Consultant and Inspection Company of Construction Technology and Equipment CONINCO (former known as Institute for Material Engineering, Construction Technology and Equipment under Ministry of Construction), Vietnam**
- **The Vietnam Structural Engineering Association (VSEA), Vietnam**
- **Japan Prestressed Concrete Engineering Association (JPCEA), Japan**

Chairman: Dr. Ha Minh

13:15-13:30 Registration

13:30-13:45 Opening ceremony

- Introduction of distinguished guests and delegates by Dr. Ha Minh, Deputy general director of CONINCO, Vietnam
- Opening speech by Mr. Nguyen Van Cong, Chairman and C.E.O of CONINCO, general secretary and vice-president of VASECT, Vietnam
- Welcome speech by Dr. Le Van Thanh, President of Hanoi University of Civil Engineering, Vietnam
- Welcome speech by Prof. Hiroshi Mutsuyoshi, Chair of ICGP, Saitama University and chair of international committee of JPCEA, Japan
- Welcome speech by Mr. Bui Pham Khanh, Vice minister of ministry of construction

13:45-14:15 Prestressed concrete bridges in Japan: technological advancements and future prospects

Hiroshi Mutsuyoshi and Ha Minh, Saitama University, Japan

14:15-14:45 Recent experimental methodology to simulate the behavior of PC bridges deteriorated by chloride-induced corrosion

Ha Minh and Hiroshi Mutsuyoshi, CONINCO, Vietnam

- 14:45-15:15 Progressive erection applied to box girder with strutted wing slab
Shoichi Takahashi, Central Nippon Expressway Company Limited, Japan
- 15:15-15:30 Coffee break
- 15:30-16:00 Improvement of bridge durability for public safety and life cycle cost saving
Toshihiko Niki, Sumitomo Steel Wire Corp., Japan
- 16:00-16:30 The bridge works of Sumitomo Mitsui Construction
Kazumitsu Tahara, Sumitomo Mitsui Construction Co., Ltd., Japan
- 16:30-16:55 Inhibition of prestress loss by promoting early age creep and its influence on structural response of prestressed concrete beam
Shingo Asamoto, Kyosuke Kato, Tomoki Kato and Takeshi Maki, Saitama University, Japan
- Study on shrinkage behavior of mortar with blast-furnace slag
Shingo Asamoto and Masanori Kato, Saitama University, Japan
- 16:55-17:20 Study on shear response of high strength reinforced concrete beams
Lam Huu Quang, ITST, Vietnam
- 17:20-17:30 Closing ceremony

<Photographs>

Wednesday, September 23 2009 at Hanoi University of Civil Engineering

Exchange Seminar between HUCE and Saitama University



ハノイ大学の学長との対談



Minh 博士による Opening address



睦好教授による ICGP プログラムの説明



Exchange seminar の様子



埼玉大学大学院生による研究発表



埼玉大学大学院生による研究発表



ハノイ大学大学院生による研究発表



ハノイ大学大学院生による研究発表



埼玉大学大学院生による研究発表



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埼玉大学大学院生による研究発表



集合写真

Field visit at Hanoi



ロンビエン橋



ロンビエン橋の交通状況



ハノイの交通状況



Thanh Tri 橋

Thursday, September 24 2009 at Hanoi

International symposium “Recent Technologies for Infrastructure Development in Japan and Vietnam”



CONINCO C.E.O との対談



Opening ceremony



睦好教授による日本の PC 技術の紹介



シンポジウムの様子



住友三井建設田原氏による橋梁工事紹介



浅本助教による研究発表



Lam 氏による研究発表



集合写真

Friday, September 26 2009 at Hanoi

Visit Baichay Bridge



Baichay 橋



Halong Bay