

**KYOTO UNIVERSITY – UTC
JOINT SUMMER COURSE OF**

**ROAD INFRASTRUCTURE
ASSET MANAGEMENT**

Date: September 19–21, 2016

Venue: Hanoi Campus, UTC, Vietnam

Organized by:

- + Graduate School of Management, Kyoto University, Japan
- + University of Transport and Communications, Vietnam

In collaboration with:

- + Center for Research in Business Administration, Graduate School of Management, Kyoto University
- + Pasco Corporation, Japan

Supported by:

- + Council for Science, Technology and Innovation (CSTI), Cross-Ministerial Strategic Innovation Promotion Program (SIP)
- + Japan Bridge Engineering Center (JBEC)

ABOUT THE COURSE

The maintenance/repair/renewal of infrastructures plays an inevitable role on stabilization of national life, not only in developed countries but also in developing countries. However, due to limited budgets allocated for this, socio-economic concepts in addition to engineering concepts must be taken into consideration.

Since 2005 Kyoto University has been conducting an annual course aimed at providing fundamental concept and/or knowledge associated with road infrastructure asset management in conjunction with asset management software called the “Kyoto Model”.

We achieved the tenth anniversary of the collaboration between Kyoto University and UTC last year. Kyoto University will enhance the course by featuring bridge management. Kyoto University and UTC have also been working on academic research of advanced Vietnam Bridge Management System (VBMS) model for Vietnam supported by Council for Science, Technology and Innovation (CSTI), Cross-Ministerial Strategic Innovation Promotion Program (SIP), which will be introduced during the course.

TARGETED PARTICIPANTS

- Students of Kyoto University and UTC
- Students from any other universities in Vietnam
- Researchers and engineers and government officials who are interested in road infrastructure asset management.

CREDITS AND CERTIFICATE

Participants who have completed the course will obtain the certificate of course completion issued both from Kyoto University and UTC. Upon his/her request, the students from Kyoto University and UTC can be accredited officially by their affiliation, respectively.

VENUE

The summer course is held at Hanoi Campus of University of Transport and Communications, Hanoi, Vietnam.

CONTENTS OF THE COURSE

Contents of the course are summarized as follows:

- Outline of Asset Management & ISO of Asset Management
- Structure, Authority, and Responsibilities
- Risk Management
- Monitoring Management
- Life Cycle Analysis
- Performance Assessment of road infrastructures, bridge, concrete structures, slope and embankment
- Case studies

LANGUAGE

The official language of the course is English.

LECTURERS OF THE COURSE

From Japan

- Prof. Kiyoshi Kobayashi - Kyoto University
- Prof. Hiroataka Kawano - Kyoto University
- Prof. Hiroyasu Ohtsu - Kyoto University
- Prof. Shoichi Nakatani - Kyoto University
- Dr. Masahiro Shirato - MLIT, Japan
- Assoc. Prof. Kiyoyuki Kaito - Osaka University
- Assoc. Prof. Kazuya Aoki - Kyoto University
- Dr. Kengo Obama - Osaka University
- Dr. Taizo Nishiyama - NIPPO, Japan

From Vietnam

- Prof. Nguyễn Việt Trung - UTC
- Dr. To Giang Lam - UTC
- M. Sc. Nguyễn Đình Thọ - UTC
- Mr. Phạm Quang Sơn - PASCO Vietnam
- Mr. Do Hong Phong - PASCO Vietnam

GENERAL INFORMATION

Time and Place

The program will be held at the Hanoi Campus, University of Transport and Communications, Hanoi on September 19-21, 2016.

Registration

Application should be made by completing the registration form. Reservation can be made by e-mail. Confirmation of reservation will be made upon receipt of the completed application forms. For further information, please contact:

Local Secretariat

Ms. Ngo Thuy Linh

International Cooperation Department
University of Transport and Communications (UTC)
Lang Thuong Ward, Dong Da District, Hanoi, Vietnam
E-mail: ntlinh_dn@uct.edu.vn
Phone: +84-4-37664078
Fax: +84-4-37664078

General Secretariat

Prof. Kiyoshi Kobayashi (Kyoto University)

Graduate School of Management, Kyoto University

E-mail: kobayashi.kiyoshi.6n@kyoto-u.ac.jp

Phone: +81-75-753-3548

Fax: +81-75-753-3529

Ms. Keiko Sakuragi (Kyoto University)

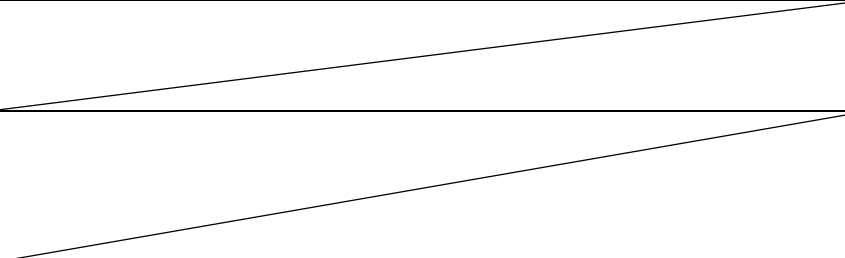
Phone: +81-75-383 3410

Fax: +81-75-383 3410

E-mail: sakuragi.keiko.2n@kyoto-u.ac.jp

TIME TABLE AND CONTENTS

DAY	MORNING			AFTERNOON		
	No.	Time	Lecture Topic and Speaker	No.	Time	Lecture Topic and Speaker
Day 1 (19/9/2016)	9:00-9:05 : Opening Remarks from Kyoto University (Kiyoshi Kobayashi, Kyoto University)			4	14:00-14:50	Bridge Management System in Vietnam (Representative of MOT or UTC, Vietnam)
	9:05-9:10 : Opening Remarks from UTC (UTC's Representative)					
	1	9:10-10:00	Introduction to Asset Management (Kiyoshi Kobayashi, Kyoto University)	5	14:50-15:40	Bridge Maintenance Management (Shoichi Nakatani, Kyoto University)
	2	10:00-10:50	The Concept of Risk for Asset Management (Kengo Obama, Osaka University)		15:40-16:00	Tea Break
		10:50-11:10	Tea Break	6	16:00-16:50	Practice of Bridge Preservation (Masahiro Shirato, MLIT, Japan)
	11:10-12:00	Asset management - Concrete Structure (Hirotaka Kawano, Kyoto University)	/			
Day 2 (20/9/2016)	7	9:10-10:00	Pavement Management in Vietnam (Nguyễn Đình Thọ, UTC)	10	14:00-14:50	Pavement Inspection Technology (PASCO Vietnam)

DAY	MORNING			AFTERNOON		
	No.	Time	Lecture Topic and Speaker	No.	Time	Lecture Topic and Speaker
	8	10:00-10:50	Pavement Maintenance Management (Taizo Nishiyama, NIPPO)	11	14:50-15:40	Trial Running of PMS Kyoto Model (PC Room) 1 (Kazuya Aoki, Kyoto University)
		10:50-11:10	Tea Break		15:40-16:00	Tea Break
	9	11:10-12:00	Database of Bridge and Pavement (Kazuya Aoki, Kyoto University)	12	16:00-16:50	Trial Running of PMS Kyoto Model (PC Room) 2 (Kazuya Aoki, Kyoto University)
Day 3 (21/9/2016)	13	9:10-10:00	Kyoto BMS - New Approach of Forecasting Model 1 (Kiyoyuki Kaito, Osaka University)	16	14:00-14:50	Examination
	14	10:00-10:50	Kyoto BMS - New Approach of Forecasting Model 2 (Kengo Obama, Osaka University)		15:00-15:45	Closing (Kiyoshi Kobayashi and UTC representatives)
		10:50-11:10	Tea Break			
	15	11:10-12:00	Implementation of Kyoto Model: Practices on Pavement (Nguyễn Đình Thọ, UTC)			