

Thematic International Workshop 2007 on Feasible and Affordable Seismic Constructions in Developing Countries

1. Background and Objectives

Mitigation of earthquake disasters is one of the keenest issues common in earthquake prone areas. Four Japanese institutes listed in Item 2 launched a new research and development project entitled “Collaborative Research and Development Project for Disaster Mitigation on Network of Research Institutes in Earthquake Prone Areas in Asia”, which focuses three essential research topics stated below in collaboration with research institutes in Indonesia, Nepal, Pakistan and Turkey. We have been working on three action programs (Components) under Topic 2 “Feasible and Affordable Seismic Constructions” as listed below.

Thematic International Workshop 2007 on Feasible and Affordable Seismic Constructions is organized to share information and knowledge and to discuss on activities for next steps for fruitful achievements. with participants from five countries connected by the video conference network and from all over the world through the web streaming services of the World Bank.

<Research topics>

Topic 1: System for Estimation and Management of Seismic Risks

Topic 2: Feasible and Affordable Seismic Constructions

Topic 3: Strategies for Dissemination of Technologies to Communities

<Action Programs (Components) under Topic 2 “Feasible and Affordable Seismic Constructions” >

Component 2-1 Research with Full Scale Shaking Table Experiments on Feasible and Affordable Seismic Constructions

Component 2-2 Bridge between Engineering and Construction Works

Component 2-3 Development of Simple and Affordable Seismic Isolation

BRI and partners organized a two-day workshop on November 22 and 23, 2006 and a thematic workshop on seismic isolation on February 8, 2007. You can see the outline and the presentation materials in the web site of BRI at

<http://www.kenken.go.jp/english/information/information/event/tokyo-2006/index.htm>

<http://www.kenken.go.jp/english/information/information/event/tokyo-2007/index.htm> .

2. Organizers

Building Research Institute (BRI)

National Research Institute for Earth Science and Disaster Prevention (NIED)

Mie University

National Graduate Institute for Policy Studies (GRIPS)

3. Date July 18 (Wed), 2007

4.. Venues and schedule

The Workshop is to be held on the network of Video Conference System of the World Bank, which connects five countries as below and provide web streaming services.

Tokyo, Japan (Main Venue)

<Local time> 16:00-21:00

World Bank Tokyo Development Learning Center (TDLC)

10F, Fukoku Seimei Bldg. 2-2-2, Uchisaiwai-cho, Chiyoda-ku, Tokyo,
110-0011

Tel: +81-3-3597-1333

Map: attached

Map URL: <http://www.jointokyo.org/en/location/>

Contact person: Terumi Hayashi (thayashi@worldbank.org)

Tsukuba, Japan (Sub Venue)

Building Research Institute (BRI)

1 Tachihara, Tsukuba city, Ibaraki, 305-0802

MapURL: <http://www.kenken.go.jp/english/information/information/transport/access.html>

Contact person: Taiki Saito (tsaito@kenken.go.jp)

Tel: +81-29-864-6751

WEB Streaming Services

You can access to the Workshop from anywhere in the world with your PC. The address of the web site for WEB Streaming Services will be delivered to you several days before Workshop. People who would like to join, please register your name, e-mail address and other information by sending **Registration Form** attached to this announcement so as to let us send the address to you.

Bandung, Indonesia (Sub Venue)

<local time> 14:00-19:00

Bandung Institute of Technology

Jl. Tamansari 64 Bandung 40116, Indonesia

Computer Lab (Com Lab) Building

Tel: +62-22-2500-935

Map: attached

Contact person: Ms. Harukunti (harkunti@kppmb.itb.ac.id)

Yogyakarta, Indonesia (Sub Venue)

Gajah Mada University (under preparation)

Kathmandu, Nepal (Sub Venue) <local time> 12:45-17:45
Poverty Reduction Strategy Resource Center-Nepal DLC
Heritage Plaza, I, 1st Floor, Kathmandu, Nepal
Tel: +977-1-4238545
Map: attached
Contact person: Ms. Reena Shrestha (rshrestha1@worldbank.org)

Islamabad, Pakistan (Sub Venue) <local time> 12:00-17:00
Pakistan World Bank Office
20 A Shahrah-e-Jamhuriyat, Ramna 5, G-5/1, Islamabad, Pakistan
Tel: +92-51-2273641
Map: attached
Contact person: Mr. Amir Munir (amunir@worldbank.org)
Tel: +92 (0)51 9090200, Cell:+92 (0)300 8558881

Peshawar, Pakistan (Sub Venue)
NWFP University of Engineering & Technology
Peshawar University Campus Road No. 2 (P.O.Box 814)
Peshawar, Pakistan
Tel: +92-521-842173
Map:
Contact Person: Dr. M. Inayatullah Babar (babar@nwfpuet.edu.pk)
Tel: +92- Ph ++92-3219076151/++92-3219122761

Ankara, Turkey (Sub Venue) <local time> **9:00-14:00**
JICA Turkey Office
Ugur Mumcu Cad, 88/6 B Block, Gaziosmanpasa 06700 Ankara, Turkey
Studio Tel: +90 212 285 3287; +90-212-2853024
Map: attached
Contact person: Mr. Nozomi Yamashita (Yamashita.Nozomu@jica.go.jp)
Tel: +90 312 4472530

5. Agenda

Session/Time	Title of Presentations	Facilitator/Presenter	Position, Institute
Session 1	Facilitator	Dr. Kenji OKAZAKI	Professor, National Graduate Institute for Policy Studies (GRIPS)

16:05	Outline of R&D (Three research topics and summary of three components of Topic 2)	Mr. Tatsuo NARAFU	Senior Coordinator for International Cooperation, Building Research Institute (BRI)
16:15	Summary of Component 2-1 (Research with Full Scale Shaking Table Experiments on Feasible and Affordable Seismic Constructions)	Dr. Toshikazu HANAZATO	Professor , Mie University
16:35	Outline of Full Scale Shaking Table Experiments in NIED scheduled in FY2007	Dr. Chikahiro MINOWA	Senior Expert, National Research Institute for Earth Science and Disaster Prevention (NEID)
16:50	(tentative) Purpose of the Shaking Table Experiments and Analysis Method to Apply (FEM, Finite Element Method)	Dr. Qaisar Ali	Professor, NWFP University of Engineering and Technology Peshawar
	<Introduction of Analysis Methods>		
17:20	Introduction of Distinct Element Method (DEM)	Dr. Takahumi NAKAGAWA	Researcher, Building Research Institute (BRI)
17:40	Introduction of Frame Analysis to be applied to Confined Masonry Structures	Dr. Taiki SAITO	Chief Research Engineer, Building Research Institute (BRI)
18:00	Introduction of Simplified Evaluation Method	Dr. Toshikazu HANAZATO	Professor , Mie University
18:20	Introduction of Simplified Evaluation Method Based on Wall Ratio	Mr. Hiroshi IMAI	Research Associate, Building Research Institute (BRI)
18:30	Q&A		
	<Presentation from Participating Institutes>		
18:45	Presentation/Proposals from Indonesia		
19:00	Presentation/Proposals from Nepal		
19:15	Presentation/Proposals from Turkey		

19:30	Q&A		
19:40	Break		
Session 2	Facilitator	Dr. Noriaki SAITO	
20:00	Summary of Component 2-3 “Development of Simple and Affordable Seismic Isolation”	Mr. Tatsuo NARAFU	Senior Coordinator for International Cooperation, Building Research Institute (BRI)
20:10	Prompt Report of Experiment for Low Cost Base Isolation by Slide Bearings	Dr. Eizaburo Tachibana	Professor Emeritus, Osaka University
20:30	Summary of Component 2-2 “Bridge between Engineering and Construction Works”	Mr. Tatsuo NARAFU	Senior Coordinator for International Cooperation, Building Research Institute (BRI)
20:40	Brief Report of Monitoring of Seismic Adobe Construction Works in Peru”	Ms. Shizuko Matsuzaki	Director, Ex-Volunteers Association for Architects (EVAA)
20:50	Q&A		
21:00	Closing		

6. Language English (simultaneous translation to Japanese in Main Venue)

7. Web streaming service

The organizers will provide web streaming services so that people in remote areas also could join Workshop through internet services with his/her own PC. People who would like to participate WS by web streaming services, please register in the same way as actual venues following the instructions in Item 8. The address of web site will be informed several days before WS by e-mail.

8. Registration for participation

Registration for participation to Workshop should be made by sending Registration Form by e-mail or facsimile to Building Research Institute at following addresses before July 10, 2007. Confirmation will be delivered within a week.

E-mail address: str-ws2007@kenken.go.jp

Facsimile: +81-29-864-2989

Telephone: +81-29-864-6641 (Mr. Imai or Ms. Okakura)

Registration Form

Thematic International Workshop 2007 on Feasible and Affordable Seismic Constructions

1. Title Dr. Mr. Ms. Others ()
2. Family name
3. First Name
4. Institution
5. Department, divisions
6. Contact e-mail address
7. Choose the venue you would like to join (delete unnecessary venues)
Tokyo, Tsukuba
Bandung, Yogyakarta,
Kathmandu,
Islamabad, Peshawar,
Ankara
WEB Streaming Services

E-mail address: str-ws2007@kenken.go.jp

Facsimile: +81-29-864-2989

Telephone: +81-29-864-6641 (Mr. Imai or Ms. Okakura)