IISEE Newsletter

June 29 2018

Number 158

International Institute of Seismology and Earthquake Engineering BRI Japan

1 Tachihara Tsukuba Japan 305-0802 tel+81-29-879-0678 facsim+81-29-864-6777

In This Issue

IISEE Net and Training

IISEENET

IISEE-UNESCO Lecture Note

IISEE E-learning

Synopsis Database

Bulletin Database

International Conference for the Decade Memory of the Wenchuan Earthquake

Dr. Takumi Hayashida, Senior Research Scientist, IISEE

Director Yokoi and I participated in the International Conference for the Decade Memory of the Wenchuan earthquake held on May 12-14 in Chendu, China.

The conference was held jointly with the 12th General Assembly of Asian Seismological Commission (ASC) and 4th International Conference on Continental Earthquake (ICCE), so that the number of participants exceeded 1,400 (from 49 countries). The Mw7.9 Wenchuan earthquake (Sichuan earthquake) occurred on May 12, 2008 and resulted in the deaths of more than 69,000 people. At the opening ceremony, which was held on the very same day of the earthquake, Chinese government officials made speeches and all the participants observed a moment of silence for the victims.

Opening ceremony

IISEE booth

I did an oral presentation in the session “Subsurface imaging and monitoring with ambient seismic noise” regarding the results of microtremor survey conducted in Nepal.

During the conference we set up an exhibition booth to introduce and promote IISEE training courses. At the booth, we also exhibited a panel

Earthquakes

The 2011 off the Pacific coast of Tohoku Earthquake

Reports of Recent Earthquakes

Utsu Catalog

Earthquake Catalog

Call for Papers

IISEE Bulletin is now accepting submissions of papers for the seismology, earthquake engineering, and tsunami. Developing countries are targeted, but are not limited.

Your original papers will be reviewed by the editorial members and some experts.

NO submission fee is need.

Try to challenge!!

regarding the China Seismic Building course (2009-2012), which was implemented in response to the Wenchuan earthquake. The exhibition was held only two days, but we had a lot of visitors including ex-participants of our training courses. Unfortunately we could not conduct alumni reunion due to the tight schedule, but we met 15 ex-participants and renewed our acquaintance. We also enjoyed dinner with three ex-participants who visited our booth in the evening on the second day.

Latin American Earthquake Engineering Course Reports on Kansai Stydy Trip

By Ms. VENTURA GOMEZ Rosa Miriam(El Salvador),
Ms. FUENTES CANAS Claudia Elizabeth (El Salvador),
Ms. GUTIERREZ URENA Carmen Antonia (Dominican Republic),
Ms. VALDIVIA SOMARRIBA Soledad Del Rosario (Nicaragua),
Ms. SABANDO ANTON Liliana Jaqueline (Ecuador),
Ms. ANCHIA VARGAS Yaimee (Costa Rica) and
Ms. MIRANDA HUARECALLO Judith Marleni (Peru)

First of all, we would like to thank JICA, BRI and all those involved in organizing this study trip, which has given us the valuable knowledge to take into account in our Action Plan.

In Nagoya, we visited the castle which built in 16-century architecture. Wood construction was observed with tongue and groove joints, as well as foundation and stone walls. During the visit to the University of Nagoya, an instructive method was used by professors to disseminate the

Professor Honjo with Participants

reduction of risks of disasters towards the population, especially to the children using smaller scale models. In the laboratory, we had some experimentation of the past earthquakes, and we learned awareness of disaster risk reduction.

In Kobe, Professor Honjo emphasized the articulation of all levels of the State, giving importance to the integration of risk management into the national Plan before, during and after a natural disaster.

At Disaster Reduction and Human Renovation Institute, videos and photos showed us the real cases of

Toji, Kyoto

Akashi-Kaikyo Bridge

the population in the disaster area.

The real flaw produced by the Kobe earthquake increases our awareness of disaster mitigation. We heard a very interesting explanation about the logistics process to carry out the design and construction of the great Akashi Bridge.

In Kyoto, we learned the importance of structural design at the base of the Toji temple which withstood strong earthquakes. We also observed the preservation of the old constructive system using original materials and techniques for restoration.

In Tokyo, at the Obayashi Research Institute, we observed the use of new techniques in the laboratories for basic isolation and the application of energy efficiency in their buildings. The experience of the real Kobe earthquake at the vibration experience equipment was very impressive, and it is clear for us the importance of the role of Kenchikushi and the design and construction of works.

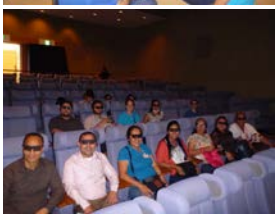
We want to spread many of this knowledge in our countries through our institutions with the seriousness and quality that JICA implements in training.

Finally, we were impressed with disaster risk reduction culture of Japan and the ability of the people on the subject.

By Mr. David Gutierrez Rivera (Honduras)
Mr. Juan Pablo Peralta Peralta (Dominican Republic)
Mr. Jose Antonio Diaz Perez (Mexico)
Mr. Carlos Hugo Delgado Rodriguez (Mexico) , and
Mr. Juan Carlos Flores Jarquin (Nicaragua)

We want to extend our biggest thanks to JICA, IISEE, and BRI for organizing this expedition.

Our first visit was Nagoya Castle, a beautiful building which was in a restoration process. Later in the afternoon, we received an extraordinary



Enjoy, Now

Nojima Fault Preservation Museum

lecture by Mr. Fukuwa, and Mr. Kurata about complex dynamical concepts was explained with simple illustrative examples. They showed us around the Disaster Mitigation Research Building which was like an earthquake engineering playground.

the Disaster Reduction and Human Renovation Institution

Then we traveled to Kobe and received a lecture by Mr. Honjo. He explained the highly organized methods and systems for Disaster Risk Reduction (DRR) for their quick and effective response. Later we visited the Disaster Reduction and Human Renovation Institution which serves as a remembrance to Kobe 1995 Earthquake and create awareness in the population for better preparation facing disasters. Visiting the Akashi-Kaikyo Bridge was like a dream come true. We were able to appreciate the longest span and highest bridge in the world. We received detail information on how the structure works, its construction and maintenance, and had a tour inside of it.

Vibration experience equipment

We visited the Nojima Fault Preservation Museum. It was very

Contact Us

The IISEE Newsletter is intended to act as a go-between for IISEE and ex-participants.

We encourage you to contribute a report and an article to this news-letter. Please let us know your current activities in your countries.

We also welcome your co-workers and friends to register our mailing list.

iiseenews@kenken.go.jp
http://iisee.kenken.go.jp

interesting to see the fault in the ground and how it moves. We learned basics about fault mechanics and observed some illustrative models.

In Kyoto, we visited Toji Temple and learned about seismic isolation and absorption method of a five-storied pagoda. After that, we saw the repair work for one of its temples. We visited Kinkaku-Ji temple and after we visited Doshisha University campus which is one of the oldest masonry structures still in standing and operation.


Doshisha University

In Tokyo, we visited the Obayashi Research Institute where we experienced state-of-the-art technology for building design and research. The building was an example of the most advanced technologies in seismic design and energy efficiency. We experienced Laputa 2D, the most advanced earthquake-resistant control system. We also visited the UR Research Institute where we learned about their versatile, innovative systems for housing construction and learned how it has evolved over the years in Japan. Finally, we had lectures by Mr. Mori and Ms. Notsu about Japan's very advanced construction codes, legislation and supervision procedures for design and construction.

We want to convey our deepest thanks for this unforgettable experience. We enjoyed it very much. It was an experience we'll keep for the rest of our lives and we hope we could use all the knowledge I've gained in Japan.

Group of executive officer, the Latin American Earthquake Engineering closed

By Mr. Yoshihiro Iitake, Head of Administration Division, IISEE

On Friday, June 6th, a closing ceremony of group of executive officer in charge of construction engineering, Latin American Earthquake Engineering course was held in JICA TSUKUBA.

2 participants presented their Action Plan about propulsion of disaster mitigation in construction administration in their country and the concrete plan of promotion of aseismic which they learned through the training course.

They received certificates from JICA and IISEE. Ms. GUTIERREZ URENA Carmen Antonia from the Dominican Republic and SABANDO ANTON Liliana Jaqueline from Ecuador made a speech.
I hope they could make use of experiences in Japan and help to reduce damage when earthquakes occur in their country.

Back Numbers

http://iisee.kenken.go.jp/nldb/

Ms. GUTIERREZ URENA Carmen Antonia from Dominican Republic

Ms. SABANDO ANTON Liliana Jaqueline from Ecuador

YEAR BOOK Vol.34 2018

As you know, the IISEE publishes "YEAR BOOK" every two years.

Now we are proceeding with a new YEAR BOOK. We will send Response sheet to ex-participants. Please send it back to us. iisee@kenken.go.jp

Also you can download Response sheet in July from our HP. Please send us the Response sheet.

It will be highly appreciated if we receive your feedbacks by August 31, 2018. We will send our new YEAR BOOK to people who send us back the response sheet.

Thank you very much for your kind cooperation.