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## The Opening Ceremony and Training of The 4<sup>th</sup> Latin American Earthquake Engineering Course -San Salvador, El Salvador-

*By Dr. Matsutaro SEKI, Visiting Research Fellow, IISEE*

The complementary training of Latin American Earthquake Engineering course was held at San Salvador in El Salvador. The main venues are the University of El Salvador (UES) and the University of Centro America "José Simeón Cañas" (UCA). The total number was 23 persons, of which 9 persons are UCA and UES students.

The opening ceremony was held at Hotel Crown Plaza on July 10<sup>th</sup> (Photo.1). The invited members are Prof. Edgar Peña, Vice Dean of UES, Prof. Patricia de Hasbún, UCA, Ms. Shizuka Kamiya, JICA El Salvador office, and Dr. Matsutaro Seki, IISEE, BRI.

The lectures on seismic evaluation of masonry structure and the testing methodology by the professors of UAE and UCA on July 10<sup>th</sup> to 12<sup>th</sup> and the final personal presentations by trainees on July 19<sup>th</sup> and 20<sup>th</sup> were performed at Hotel Crown Plaza.

The various tests had been done at UAE and UCA. These tests were on the construction of prism specimen of brick walls and conducting the diagonal shear tests of masonry brick walls at UAE on July 13, the test of the adobe wall by the tiltable test and horizontal static test of the confined masonry wall with an opening at UAE on July 14<sup>th</sup> and the horizontal static test of the reinforced concrete brick wall at UCA



Photo 1 The opening ceremony (Hotel Crown Plaza)



Photo 2 Construction of prism specimens (UES)



Photo 3 The direct shear test of masonry walls (UES)

## 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!!



on July 17<sup>th</sup> and 18<sup>th</sup> (Photo 2 to 6). At the tiltable test site, Mr. Kazuo Fujishiro, JICA chief representative and the professors of UEA involved with this test received the TV interview and were broadcast.

On July 15<sup>th</sup>, they visited the FUNDASAL, incorporated nonprofit organization and got the information on Taishin construction system which has been promoting the follow-up project after the JICA Taishin project.

Regarding other activities, we received the interview from TV media about the content of this training course and JICA activity and so on (Photo. 7).

Finally, we appreciate the perfect preparation for tests and the enthusiastic lectures by UEA and UCA, the powerful logistics by JICA El Salvador and the cooperation with Dr. Oscar López from SENAPRED, Mexico, respectively. Therefore, this training course finished successfully with fruitful results.



Photo 4  
Tiltable test of the adobe masonry walls (UES)



Photo 5  
The horizontal static test of the confined brick masonry wall (UES)



Photo 6  
The horizontal static test of the confined concrete brick masonry wall (UCA)



Photo 7  
The interview from National TV, Chanel 10

## Closing Ceremony of The 4<sup>th</sup> Latin American Earthquake Engineering Course -San Salvador, El Salvador-

*By Mr. Mizuo INUKAI, Chief Research Engineer, IISEE*

The closing ceremony of the Latin American Earthquake Engineering Course was held on July 21<sup>st</sup> at the hall "Salón Cóbano" of Hotel Crown Plaza that locates in the capital of Republic of El Salvador, San Salvador, where we welcomed the distinguished guests:

Prof. Edgar Peña, Vice Dean of the Faculty of Architecture and Engineering, University of El Salvador (UES),

Prof. Francisco Alarcón, Dean of the Faculty of Engineering and Architecture, UES,

Prof. Carlos Cañas, Dean of the Faculty of Engineering and Architecture of University of Centro America "José Simeón Cañas" (UCA),

Mr. Eliud Ayala, Vice Minister of the Public Works, Transports, Housing and Urban Development,

Mr. Kazuo Fujishiro, Chief Representative of JICA El Salvador.

Prof. Edgar Peña, UES played the role of the master of ceremony. Two professors of UCA, Ms. Patricia de Hasbún and Mr. Adolfo Ramos (2009-2010 Earthquake Engineering Course) who lead the real size structural experiment in UCA were well known while Mr. Ramos had attended to the ceremony. Also, Prof. Carlos Escobar and Prof. Manuel Gutiérrez of UES who lead the prism test and the wall test were well known.

It was a happy and heartwarming time with the fourteen participants from seven countries who have fully attended since May 11<sup>th</sup>, and nine more persons partly attended in the city of San Salvador since July 10<sup>th</sup>. I would like to express my sincere thanks to all who helped the realization of the course there.

I hope every participant of the course got satisfied and will try to disseminate their learnings and experiences in their own countries.

Finally, I would like to put emphasis on the friendly invitation experience by the family of the other course participant in San Salvador.

The lecture language of the course is Spanish. Please feel free to contact with IISEE if you need more information.



Enjoy, Now



Group Photo after Closing Ceremony

## IAG-IASPEI 2017

*By, Dr.Yushiro Fujii, Senior Research Engineer, IISEE*



Photo 1  
Kobe International Conference Center

Dr.Yokoi (Director of IISEE), Dr.Hara(Chief Research Engineer), Dr.Shibazaki (Chief Research Engineer), Dr.Hayashida (Senior Research Engineer), and Dr.Fujii (Senior Research Engineer ) attended Joint Scientific Assembly of the International Association of Geodesy and International Association of Seismology and Physics of the Earth's Interior (IAG-IASPEI 2017)

## 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 newsletter. 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



Photo 2 IISEE Booth

which was held at Kobe International Conference Center(Photo 1) from July 30 to August 4.

During the Joint Scientific Assembly, we, IISEE, ran a booth (Photo 2) at the third floor of the conference center. Our staff stayed certain time such as lunchtime or break time of presentations in order to attempt to disseminate the Earthquake Engineering training course through

interaction with participants, ex-participants and researchers from each country.

We are also pleased to see how former participants and current participants made research presentations successfully (Photo 3) and realized the training effect of the Earthquake Engineering training course.



Photo 3 Presentations by Participants

We held an alumni reunion at a Chinese restaurant near Sannomiya station at night on Thursday, August 3<sup>rd</sup>. There were 27 peoples (11 ex-participants, 5 participants, 1 researcher, 4 lecturers 5 IISEE staff members, and 1 postdoctoral researcher) joined and grooved the reunion. After opening greeting and a toast by Dr. Harsh Gupta (1966-1967 Seismology Course, former president of IUGG, Photo 4), we introduced each other and had pleasant chat, then Dr.Marino Protti(1983-1984 Seismology Course, Photo 5) gave a closing address. At last, we took group photo(Photo 6) in front of Ikuta Shrine for memory.

The Alimni Reunion



Photo 4 Toast by Dr.Harsh Gupta



Photo 5 Closing address by Dr.Marino Protti

The Alimni Reunion



Photo 6 Group Photo

## Final Presentation

*By Mr. Yoshihiro Iitake, Head administrator, IISEE*

All participants of the Regular course; Earthquake Engineering, Seismology and Tsunami Disaster Mitigation returned to IISEE after a long interval since they had completed their own individual studies which started on June 1<sup>st</sup>.

They made the final presentations about their master theses which are the results of their studies on August 17<sup>th</sup> and 18<sup>th</sup>.

There are only two weeks left in their training.

## Back Numbers

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