



IISEE Newsletter



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International Institute of Seismology and Earthquake Engineering BRI Japan

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The sixth edition of the International Conference on Computational Methods for Coupled Problems in Science and Engineering (COUPLED PROBLEMS 2015)

(<http://congress.cimne.com/coupled2015/frontal/default.asp>)

By Mr. Mizuo Inukai, Chief Research Engineer, IISEE



Photo 1: Opening Ceremony in the Auditorium, the Conference Center, San Servolo Island

I participated in the sixth edition of the International Conference on Computational Methods for Coupled Problems in Science and Engineering (COUPLED PROBLEMS 2015) in May 18 through 20, 2015. The Conference is one of the Scientific Conferences and took place once in 2 years since 2005. This time it was held on the Conference Center, San Servolo Island, Venice City, Italy.

The Conference presented 380 full papers or abstracts in oral presentations from Europe, USA, Asia or South America. At the start time, the Opening Ceremony was held

in the Auditorium (Photo 1), and many kinds of Sessions gave oral presentations.

In the afternoon session "Coupled Problems with Numerical and Physical Subdomain Interactions II" on the 2nd day, the author made a presentation of "Predominant periods of multi-degree-of-freedom system analysis and dynamic soil-structure interaction for building structures".

Technical Programme is on the Web "<http://congress.cimne.com/coupled2015/frontal/ProgIntro.asp>", the Abstracts are shown in these links, and the full papers on the Web "http://congress.cimne.com/coupled2015/frontal/doc/Ebook_COUPLED_15.pdf".

The main public transportation in Venice Island is city boats called as waterbuses, in Italy called as "vaporetti". On the way to the Conference, Photo 2 shows the view of the Piazza San Marco, Venice Island. Many tourists are coming and everywhere is very prosperous.



Photo 2: View of the Piazza San Marco, Venice Island

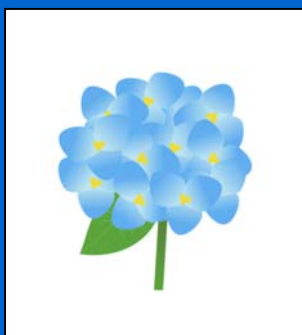
Earthquakes

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!!

Latin American Earthquake Engineering Course - Reports on Kansai Study Trip

(1) Mr. Francisco Javier VALLES UROQUILLA (El Salvador)

I am very pleased to have had this opportunity to participate in this Latin American Earthquake Engineering Course since I've been learning valuable things from each expert's experiences in related fields. Especially, it was very impressive that we could visit many places in Japan including Kobe.



The municipal authorities make plans based on the disaster, and also they consider it very important to have regulations on the disaster mitigation plans and inspections on the construction site.

The education of its people is one thing many Latin American countries must apply. It is a very important philosophy to learn from the errors we made and apply its lessons to reduce the human sacrifices in the future.

In Kyoto, with the buildings such as traditionally valuable temples, they enhance such temples' earthquake-resistance strength with little change to their architecture; each society should make efforts and promises to realize it, but it largely depends on the engineering technology's improvement.

(2) Ms. Yolanda Elizabeth VAQUERANO CATIVO (El Salvador)

In our visit to Kobe on last June 4th, I found it very impressive the level of awareness of municipal authorities about the topic of the constructions in the city; they count with laws and professionals, to ensure that buildings are safe against the possibility of any disaster.

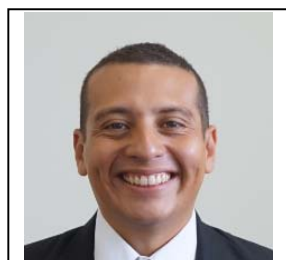


The professionals of the municipality are responsible for conducting regular inspections to ensure that the buildings are within the legal framework and that have a high seismic efficiency.

On the other hand, I consider very important the opportunity that they give to the population to actively participate, because they are involved in education campaigns in the case of an emergency (like an earthquake), and also, because they have the freedom to denounce any construction that they consider is not following the security laws of the municipality.

(3) Mr. Mauricio Rene CHORRO (El Salvador)

The past June 3rd to June 8th of this year the Latin American Earthquake Engineering Course had chance to make a trip to Nagoya, Kobe, Kyoto and Tokyo.



In my opinion the best place of those which we have visited was Disaster Mitigation Research Building. It is a place where researchers are studying earthquakes and disasters gathered. The center itself is a place to experiment and develop earthquake resistant building technologies. In daily life, the center provides advanced research and education to all people who want to learn

more about these important topics.



Enjoy, Now

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.

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<http://iisee.kenken.go.jp>

Back Numbers

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

The second best place that made me awesome was the National Research Institute for Earthquake and Disaster Prevention (E-Defense) which owns the major section of the full-scale three-dimensional earthquake testing facility with size of 15mx20m of shaking table creating the same complicated three-dimensional earthquake motion.

In those places I learned more how to organize research on region collaborative disaster prevention, simulate damage caused by seismic ground motion and tsunami, and develop systems for promoting measures for disaster prevention and mitigation for the region.

(4) Mr. Nilton Reynaldo FERREL ZEBALLOS (Peru)

Five-day study trip to Kansai (Nagoya, Kobe, Kyoto and Tokyo) enabled us to understand many things:

We learned the tenacity, strength and perseverance of a man like Professor Nobuo Fukuwa of Disaster Mitigation Research Building of Nagoya University, and the dissemination of experiences and lessons learned in the disaster at the Disaster Reduction and Human Renovation in Kobe.



Also, we saw the challenge to the impossible by using technology in the Hyogo Earthquake Engineering Research Center (E-Defense), and the respect for the past and the contribution to the present in the temples Ninna-Ji and Kunkaku-Ji. Furthermore, we could observe admirable and exquisite work of architects, engineers and builders in Kajima Corporation.

Through those above things, I realized that the education and willpower of human beings (such as Japanese people) to do things in a proper fashion make such a strong nation which is resilient to the natural phenomena and man-made disasters.

I would like to express my deep appreciation to JICA, BRI/IISEE for the immense and generous opportunity to know and visit these places.

Colloquium, General Meeting & Friendship Party

By Mr. Takashi Yamashita, Head of IISEE Administration Division

The third colloquium, which is a seminar consists of presentations by the training participants, took place in IISEE for two days on Thursday, May 28 and on Friday, May 29. On the first day the participants of the Earthquake Engineering Course presented the outline of their individual study reports, and on the following day the participants of Seismology Course and Tsunami Disaster Mitigation Course followed suit.

On Friday, May 29 after the colloquium, we had the general meeting. In the general meeting, they expressed their impressions and remarks on the lectures, everyday lives, etc.

Following the meeting, we held the Friendship Party, which was organized by IISEE for the participants to get over the tough individual studies. I acted as a master of ceremonies and Dr. Yokoi, IISEE director, gave words of cheer to the participants. This year, almost half of the participants study outside of BRI under their supervisors in Sendai, Tokyo, Chiba, Toyohashi and Kyoto. With a good meal and a comfortable atmosphere the party was closed with "Ippon-Jime" (Japanese style closing of the ceremony with one-time clap altogether).

From June 1, the participants are now working on their individual studies to write their master's theses.