



# IISEE Newsletter



May 31 2019

International Institute of Seismology and Earthquake Engineering BRI Japan

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IISEENET

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## Latin American Earthquake Engineering course has started

(Until Thursday, June 6th for executive officers in charge of construction engineering Until Friday, July 26th for structural engineers)

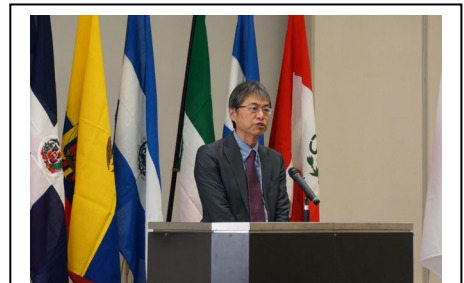
By Mr. Takahiro Yamada, Head of Administration Division, IISEE

This year also IISEE conducts Latin American Earthquake Engineering Course with 11 participants include 2 executive officer from 7 countries such as Chile (2), Dominican Republic (2), Ecuador (1), El Salvador (2), Mexico (1), Nicaragua (2) and Peru (1).

The opening ceremony of Latin American Earthquake Engineering Course was held at the BRI Hall on Tuesday, May 16.

Mr. Takeshi Watanabe, Director General of JICA Tsukuba and Dr. Mitsumasa Midorikawa, the President of BRI made their welcome speeches. Mr. SANTISTEBAN VEGA Joaquin Mario from Peru made a speech on behalf of all the participants.

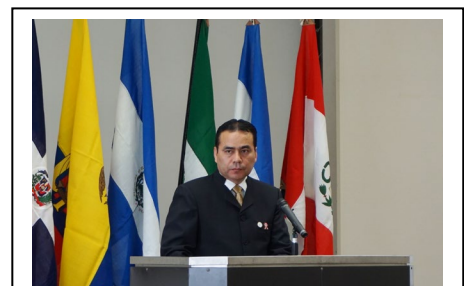
This course had started from 2014 which is executed in the aim of reducing damages from future earthquakes by enhancing and disseminating the earthquake-resistant technology in the participants' countries. There were 81 participants from 11 countries had joined Latin



Mr. Takeshi Watanabe,  
Director General of JICA  
Tsukuba



Dr. Mitsumasa Midorikawa,  
the President of BRI



Mr. SANTISTEBAN VEGA  
Joaquin Mario from Peru

## 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.

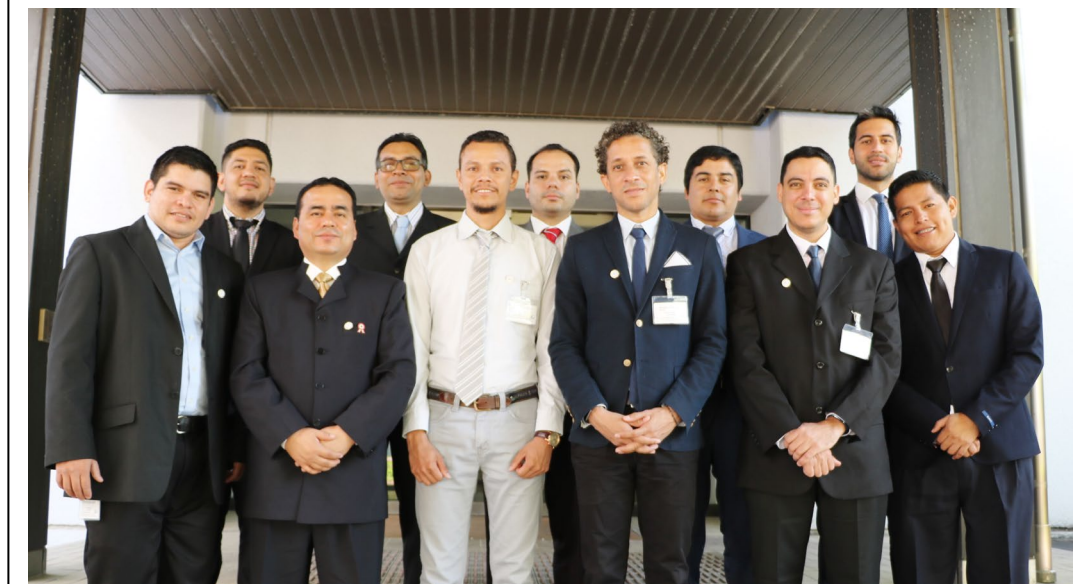
NO submission fee is needed.

Try to challenge!!

American Earthquake Engineering course so far. Among them 11 executive officer from 7 countries



Opening Ceremony



Participants of 2019 Latin American Course

## Reports on Kansai and Kumamoto Study trip

Seismology Course, Mr. Md Mominur RAHMAN from Bangladesh

We the participants of IISEE, BRI visited Kansai (Kyoto and Hyogo prefecture) and Kyushu (Kumamoto prefecture) region of the western part of Japan from 16th April to 20th April 2019. During this study trip, we visited many places. These are To-Ji Temple and Kinkakuji Temple in Kyoto city, the Disaster Reduction and Human Renovation Institute and Hyogo Earthquake Engineering Research Center (E-Defense) in Kobe and Miki city respectively, Akashi-Kaikyo Bridge Exhibition Center and Nojima fault, Nojima fault preservative museum in Kobe city and Awaji island



Enjoy, Now

respectively, the Aso-ohashi Bridge area, Aso campus, Tokai University, Kumamoto castle and Mashiki town in Kumamoto prefecture.

The main target and purpose of this study trip are to acquire and gather practical knowledge and experiences about type and nature of faults of the earthquake, causes of earthquake, evacuation & recovery process from the disaster, preservation of the memory for future generation for better treatment of disaster, etc. Our country is also an earthquake-prone area due to its geological and geographical position. There is also an objective of this study trip is to learn a suitable lesson from Japan how to treat with any disaster for a better future. There is another objective to know about the consequence of and knowledge about the history and culture of Japan.

There is a wise saying "Seeing is believing" as we all know that practical experience is more effective than theoretical knowledge. Combination of these two is the best way to understanding any event. From this visit, we have the opportunity to combine theoretical knowledge with practical experiences. It is essential to acquire knowledge and to learn lessons from past disaster to face the future catastrophe. Preservation of past disaster history is also necessary. We all came to know about the mechanism, size, damaging impact and many more of the 1995 Kobe earthquake, 2016 Kumamoto earthquake by this visit. We also came to know



Mr, Md Mominur  
RAHMAN  
from Bangladesh



Akashi-Kaikyo Bridge

about the effective evacuation system and recovery/restoration process. This visit enhances our knowledge and experiences level very high that is badly needed for us. So as participants of IISEE, BRI from disaster-prone and developing country, the acquired knowledge and experiences from this trip is very beneficial and fruitful for us. We want to share our achieved expertise and skills and also want to utilize to our country for the better treatment of any disaster.



Tsunami Disaster Mitigation Course,  
Ms. Elliot Del Carmen PEREZ ROMERO from Nicaragua  
Ms. Laura Alexandra GONZALEZ RODRIGUEZ from Colombia  
Mr. Michael Arturo LINTHON ALVAREZ from Ecuador



(From left) Ms. Elliot from Nicaragua, Ms. Laura from Colombia, Mr. Michael from Ecuador.  
Tsunami Disaster Mitigation Course

As JICA participants, we came to Japan not only for academic purposes, but also to learn more about the culture, the traditions, and how Japan has become the country it is today. After all, we have studied, we know that Japan is a large island which is affected by several natural disasters, being

earthquakes and tsunamis the most devastating ones.



Earthquake fault observation

In the visit to Yoshida Cho town, we learned how this city has become in one of the most advanced cities in disaster mitigation countermeasures. There we had the opportunity to visit places like the tsunami evacuation towers, seawalls, and the disaster prevention park, which will be used for temporary housing in the case of an emergency. After several studies, the

## 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](mailto:iiseenews@kenken.go.jp)

local government established three main aspects which efforts will be focused: to save lives, protect property and manufacturers, and support livelihood after a disaster.

On the other hand, in Hirogawa town, we learned how people had changed the point of view of tsunami disaster mitigation in the past, like the history of Goryo called: "Inamura no hi, the fire of rice sheaves" at the Tsunami Educational Center. He had the initiative, and with the support of the people, they created the first seawall with only compacted soil. At present, this protection measure is still being used for the mitigation of tsunami damage.

The last visit was to Kumamoto area, where we could see the process of reconstruction of some structures as Aso bridge, and the most important cultural heritage of the city, Kumamoto Castle, which was also damaged by Kumamoto 2016 earthquake. Also, in this area, we visited Mashiki town, where we could observe the right lateral displacement of the strike-slip fault, and it was an exciting experience.

The lessons learned on this trip are significant for us. By the time when we return to each of our countries, we can socialize those experiences in our countries, especially the capacity of recovery of people after a disaster, the importance of the knowledge in case of natural events and the actions that everyone has to consider because it makes the difference to save many lives.

Finally, we would like to express our gratitude to JICA, all IISEE staff members and to all people who contributed to the coordination and guidance during all the study trip.

### Earthquake Engineering Course Mr. Alexander Abraham SOTO CARDENAS from Peru

The Japanese International Cooperation Agency (JICA), Building Research Institute (BRI), and International Institute of Seismology and Earthquake Engineering (IISEE) organized a study trip to Kyoto, Hyogo and Kumamoto prefectures from April 16th to April 20th, 2019. In that opportunity, I could learn about Kobe City and its recovery after the Kobe Earthquake in 1995. Also, I visited Kyoto City and learned about the history of some historical temples. Likewise, I could appreciate the megastructure, Akashi Kaikyo Bridge which connects Kobe City and Awaji Island. On the final two days, I was in Kumamoto City where I could learn about the damages in the affected zones due to the Earthquake that happened in 2016.



Mr. Alexander  
Abraham SOTO  
CARDENAS from Peru

The experience I had during those five days was to take awareness and transmit learnings that the people in those cities have reached significant development after those seismic events. This development has achieved through cooperation, which joined in a collective work between the Local and Central Government and the citizens. They built such as the Disaster Reduction, Human Renovation Institution and the Nojima Fault Preservation Museum in Hyogo Prefecture. Likewise, the recovery and maintenance of their Temples in Kyoto and

Kumamoto Cities are incredible.

I thank JICA, BRI, and IISEE to give me that opportunity to know how the Japanese people have faced those natural disasters and to learn that collective work between the authorities and the people with a purpose lead to growing and enhancing our responses to tackle those natural disasters.



Nojima Fault Preservation Museum

## Back Numbers

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

Akashi-Kaikyo Bridge : <https://goo.gl/maps/8QEhZxLPup4qiSwq7>  
Disaster Reduction and Human Renovation Institute :  
<https://goo.gl/maps/au6WgjbLbStdAUkKA>  
Hiromura Embankment : <https://goo.gl/maps/zvgVC4aPZptEisCe9>  
Mashiki town : <https://goo.gl/maps/Ug6VpqQ24gsv3CAD7>

## Snapshots of Kansai and Kumamoto Study trip



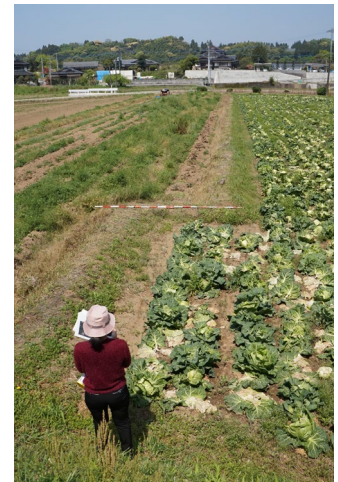
Akashi-Kaikyo Bridge



Disaster Reduction and Human Renovation Institute



Hiromura Embankment  
Hirokawa town, Wakayama



Earthquake fault observation  
Mashiki Town, Kumamoto



Earthquake fault observation  
Mashiki Town, Kumamoto



Mashiki Town, Kumamoto