



# IISEE Newsletter



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International Institute of Seismology and Earthquake Engineering BRI Japan

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## IISEE Net and Training

IISEENET

IISEE-UNESCO Lecture Note

IISEE E-learning

Synopsis Database

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## Nine Participants Finished a Two-Month Training Course on the Global Seismological Observation

*By Ms. Yoriko Iiba & Dr. Bunichiro Shibazaki of IISEE*

The Closing Ceremony of the Global Seismological Observation Training Course which started on January 21 was held at JICA Tsukuba on Friday, March 14.



Closing Ceremony

Nine participants from Bolivia, Fiji, Myanmar, Nepal (2), Pakistan (2), Papua New Guinea and Thailand attended the ceremony and have received the certificates from JICA and IISEE. Mr. Gonzalo Antonio Fernandez Maranon from Bolivia made an address as the representative of participants. (See page 4)

The Global Seismological Observation Training Course was designed for the contribution toward establishing a verification regime against nuclear

tests by the Government of Japan. The participants were mainly from non-signatories and non ratified countries of the Comprehensive Nuclear-Test-Ban Treaty (CTBT).

In the training course, participants acquired knowledge of the CTBT regime and the role of seismology in the International Monitoring System (IMS). They also studied global seismological observation technologies for monitoring nuclear tests and earthquakes, and acquired data analytical techniques to discriminate nuclear tests from natural earthquakes. Finally they made an Action Plan that they will implement in their countries.

This year, a lecture regarding Japan's Perspective on Nuclear Disarmament by the Ministry of Foreign Affairs was newly added and participants exchanged opinions earnestly when they attended the lecture at the Ministry. One thing that was particularly impressive was that participants gave advice and help each other in the practice of Seismic Analysis.



Action Plan Presentation

Moreover their knowledge and expertise on global seismological observation and data analysis will contribute to the reduction of earthquake disasters in their countries. Implementing the training program, we would like to express our sincere thanks to the Comprehensive Nuclear-Test-Ban Treaty Organization

## Earthquakes

The 2011 off the Pacific coast of Tohoku Earthquake

Reports of Recent Earthquakes

Utsu Catalog

Earthquake Catalog

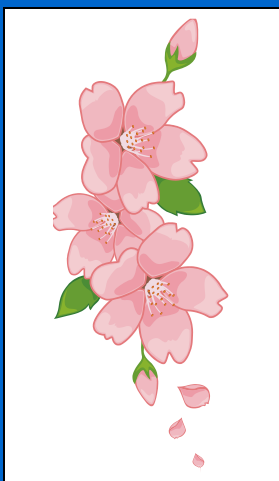
## Call for Papers

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!!



(CTBTO), Ministry of Foreign Affairs of Japan (MOFA), Japan International Cooperation Agency (JICA), Japan Meteorological Agency (JMA) and people concerned for their support and cooperation to the course.

## International Symposium on Earthquake and Tsunami Disaster Mitigation in Latin America

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

This symposium was held on March 7th, 2014 at Kokuyo Hall (Minato-ku, Tokyo, Japan) with support from JST (Japan Science and Technology Agency)-JICA (Japan International Cooperation Agency) SATREPS (Science and Technology Research Partnership for Sustainable Development Program) project (The two projects of Peru and Chile are now being conducted).



Symposium Presentation  
(reproduced from Chiba University's website)

The eight 2013-2014 earthquake engineering course participants attended this symposium as a part of the training. Dr. Shibazaki, Dr. Tani and I (Fujii) also attended the symposium to know the current situation of the earthquake and tsunami disaster-prevention measures in Latin America. It was great pleasure for us to meet many researchers including ex-participants of the IISEE's training courses from Peru, Chile, Colombia and El Salvador.



Symposium Attendance  
(reproduced from Chiba University's website)

Approximately 25 researchers were invited to the symposium from seven Latin American countries (Peru, Chile, Colombia, Ecuador, Mexico, Nicaragua and El Salvador). They made presentations of their country reports following the

two keynote lectures entitled "Earthquake disaster mitigation research in Japan and international collaboration" and "Earthquake activity and seismic hazard in Latin America." About 70 Japanese researchers involved in the Peru and Chile SATREPS projects or other research projects also participated in the symposium. In the panel discussion, the themes what is needed or what is a problem in disaster mitigation in each country were widely discussed and a resolution for having this kind of symposium every year was adopted.

### IISEE Alumni Meeting in the 10th Asian Seismological Commission General Assembly

The 10<sup>th</sup> Asian Seismological Commission (ASC) General Assembly will be held in Makati by The Philippines, through the Philippine Institute of Volcanology and Seismology (PHIVOLCS-DOST) and the City of Makati, from 17-21 November 2014. IISEE is planning to have the Alumni meeting there. WE ARE HAPPY TO SHARE THE TIME. Come and Join US!



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>

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

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## International Workshop in Kyoto University

*By Dr. Toshiaki Yokoi, Director of IISEE*

From Mar.4 to 6, 2014, I have participated the international workshop entitled "New Initiative toward the Advancement of Strong Motion, Site Effect, and Risk Evaluation Studies for Future Mega-Quakes" held in Disaster Prevention Research Institute, Kyoto University.

Many important research results were presented by internationally famous researchers and also those of the young generations. For example, Prof. Hiroo Kanamori (California Institute of Technology). Dr. Nelson Pulido Hernandez who had attended the IISEE training course (1991-1992 Earthquake Engineering Course, Colombia) has presented his important research result. I would like to express my thanks and respect to the professors of Kyoto University who organized this important and meaningful workshop.

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## Visit to Institute of Geophysics, UNAM, Mexico

*By Dr. Bunichiro Shibazaki, IISEE Chief Research Scientist*

I visited Institute of Geophysics, National University of Mexico (UNAM), from March 17 to 21. Recent high-resolution geodetic observations have revealed the occurrence of slow slip events (SSEs) along the Mexican subduction zone. In Guerrero, large SSEs of around Mw 7.5 repeat every 3–4 years. Also there is a seismic gap in Guerrero where a large earthquake may occur in the near future.

I joined a discussion on a future research project regarding investigation of stress accumulation in the Guerrero seismic gap and tsunami hazard assessment. I introduced my numerical model of slow slip events and their interaction with large earthquakes along the subduction interfaces beneath Guerrero. During my visit, jacaranda trees were in full bloom.



Jacaranda Trees in Mexico

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## In Memoriam: Dr. Sheldon Cherry (Canada)

It was with profound sorrow that we received the sad news of the passing away of Dr. Sheldon Cherry, Professor Emeritus of Civil Engineering at the University of British Columbia, Canada on March 23 of 2014.

Dr. Cherry was the former UNESCO Expert of IISEE from 1966 to 1967. He was one of the founders of IISEE training program. We greatly appreciate his support he has given to IISEE. We would like to extend the sincerest sympathy from all of us at IISEE to his family.

# Address on Behalf of the Global Course Participants

*By Mr. Gonzalo Antonio Fernandez Maranon from Bolivia*

Distinguished Ministers, Directors, Supervisors, Researches, Chiefs and Heads of section, Coordinators, Support Staff, Colleagues, Ladies and Gentleman. Good morning.

It is my great pleasure to address this closing speech to you at the end of the Global Seismological Observation Training Course hosted at IISEE-BRI and JICA Tsukuba.



Mr. Gonzalo Fernandez

On behalf of my colleagues I would also wish to extend our special thanks to Mr. KIMURA Senichi, Director General, JICA Tsukuba, Dr. YOKOI Toshiaki Director-International Institute of Seismology and Earthquake Engineering-Building Research Institute, Mr. ONO Ken, Principal Deputy Director, Arms Control and Disarmament Division, Ministry of Foreign Affairs of Japan and all of you who have already done this training program possible.

Let me introduce this question to distinguished audience; "What are the main aims of Global Seismological Observation course?," scientifically and technically speaking, Global Seismological Observation is about to determinate, to quantify and to discriminate tele-seismic events in order to know whether those events are or not explosion which may be a nuclear test, with

your kind respect this answer would be incomplete if we do not add the social contribution.

I would like to explain you why, once we have started the lectures with the best Senseis at IISEE-BRI, we started to feel like home. Because we found each Sensei's ready to help us, to solve our doubts even in lunch time, we never heard the word NO, we always heard a kind HAI and a kind explanation.

Fortunately we traveled around Japan, we were on Tokyo taking lectures at JMA (Japan Meteorological Association) where we learned about the wonderful early earthquake warning system is ready to serve each other, at JWA (Japan Weather Association) we learned how Japanese NDCs use the CTBTO's tool in order to fulfill the treaty. At Ministry of Foreign Affairs of Japan we could get better understanding about Japanese position against the nuclear weapons and their proliferations. Let me greatly congratulate to Mr. ONO Ken and his Ministry Office for the valuable efforts puts in this task. At Hiroshima Memorial Peace Museum we were deeply shocked due to Atomic bomb, unfortunately Japan is the only country all over the world who suffered the effects of a nuclear attack, no one else over the whole world should think about to use such a kind of weapons; in Kobe we were at Disaster Reduction and Human Renovation Institution where we were surprised about the Hanshin-Awaji earthquake's damage.

With your kind excuses in both cases Japanese people always raised from dark to light helping each other and learning from the past developing their selves in order to reach a common objective, keep going ahead and never give up. In Nagano at Matsushiro Seismological Observatory we had the honor to be in the Emperor's room, and the pleasure to know one of the most important seismic arrays all over the world which gives a lot of information to international seismic observation.

I cannot forget to mention to our JICA's Coordinator and IISEE-BRI support staff who helped us a lot giving us their kind help and valuable advices, preparing our lectures notes, guiding us on all Study trips even if someone like me got lost in Tokyo, let me thanks to the JICA and IISEE-BRI support staff, with your kind permission let me call them our guardian angels.



At Ministry Foreign Affairs of Japan

Now with your permission I would like to say the real aims of our training course, each of us have already gotten deeper knowledge about the seismic event discrimination from the best Senseis, all this knowledge must be spread in our institution and countries in order to fulfill the CTB Treaty and support the Japanese position against the nuclear weapons to have a better world without any nuclear bomb threat.

Let me finish this speech with this phrase from St. Ignacio de Loyola "develop yourself to help others" as Japanese People always develop their selves to help others, now we are ready to help others. It is not a Sayonora it is a Dewamata, with your kind permission Domo Arigato Gozaimasu, God and Mary Virgin Bless you all.

Thank you very much!!