



IISEE Newsletter



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International Institute of Seismology and Earthquake Engineering BRI Japan

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Online IISEE Seminar by Prof. Satake at the University of Tokyo (December 20th)

By Dr. Bunichiro Shibazaki, Chief Research Scientist, IISEE, and Dr. Yushiro Fujii, Senior Research Scientist, IISEE

We are glad to invite you to an online IISEE seminar by Prof. Satake at the University of Tokyo.

We want to ask you to attend the seminar.

Date and Time: December 20 (Mon.) 9:50-11:30 (Japan Standard Time)

Content:

9:50-10:00 Introduction of recent IISEE activity (Zoom)

10:00-11:00 Ten years from Tohoku earthquake and tsunami (Prof. Satake) (Zoom)

11:00-11:30 Discussion (Spatial Chat)

Lecturer: Prof. Kenji Satake (Director at Earthquake Research Institute, the University of Tokyo)

Host: International Institute of Seismology and Earthquake Engineering, Building Research Institute

If you can attend the seminar, please fill the following application form.

https://docs.google.com/forms/d/e/1FAIpQLSd6EEVD6shEK4_90hwhkVFhp838DP0IGdaaBQy6snELmi_HSQ/viewform

If you want to watch the on-demand recorded seminar, please check it in the application form.

Later we will inform you of the link and password of the on-demand seminar.

Would you please forward the information about this seminar to your colleagues and young staff in your office?

Please also send it to young staff in other institutions.

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!!

Participants' Arrival in Japan

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

In the difficult situation of global infection of COVID-19, we had an online opening ceremony of the training courses in Seismology, Earthquake Engineering, and Tsunami Disaster Mitigation for young researchers and engineers on Oct 5th. IISEE One year training course has started, and participants began coming to Japan one by one.

Fourteen participants from El Salvador, Fiji, Indonesia, Philippines, Algeria, Bangladesh, Ghana, Peru began commuting to BRI on Oct 26th and 27th, followed by two participants from Bhutan and Timor-Leste on Nov 2nd and 6th.

They take both online lectures and face-to-face lectures. When participants in IISEE have class in person, participants in their country take the online lecture.

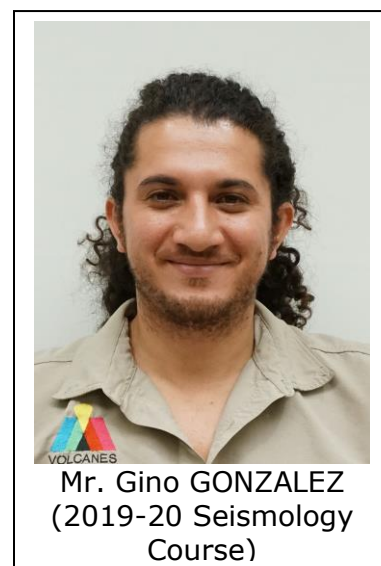
Although from November, the number of new cases of coronavirus infection in Japan has been calming, all the participants continue preventing the spread of COVID-19 and they're working hard in the lectures and homework.

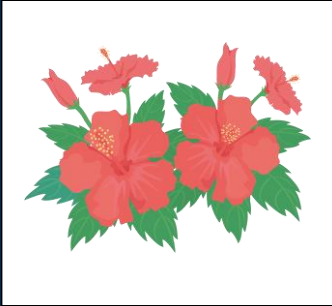
Please do your best.

A New Discovery in the Relationship Between Large Earthquakes and Volcanic Activities in Central America -An Ex-Participant of IISEE Annual Training Course, From Costa Rica, Published His Research-

By Dr. Bunichiro Shibazaki, Chief Research Scientist, IISEE, and Dr. Takumi Hayashida, Senior Research Scientist, IISEE

The International Institute of Seismology and Earthquake Engineering (IISEE) at the Building Research Institute (BRI), in cooperation with the Japan International Cooperation Agency (JICA), has provided training courses in seismology, earthquake engineering and tsunami disaster mitigation to younger researchers and engineers from developing countries. This training course is regarded as a master's degree program of the National Graduate Institute for Policy





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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Back Numbers

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

Studies (GRIPS) through a partnership with them.

In this Month, Mr. Gino GONZALEZ who participated the IISEE training course (2019-20 Seismology Course) published his collaborative research to "Scientific Reports" which is an open-access scientific journal issued in United Kingdom. Dr. Eisuke FUJITA (Principal Chief Researcher, NIED*), Dr. Bunichiro SHIBAZAKI (Chief Research Scientist, IISEE, BRI) and Dr. Takumi HAYASHIDA (Senior Research Scientist, IISEE, BRI) were also involved in this collaboration. The research regards a cause and effect relationship between large earthquakes and volcanic activities. Understanding the relationship is one of the critical issues in Earth Sciences.

In Central America, a series of active volcanos is located along the Pacific coast of some countries such as Guatemala, El Salvador, Nicaragua, and Costa Rica. In 2012, three large ($M_w \geq 7.3$) earthquakes struck Central America within a period of 10 weeks. Subsequently, some volcanoes in the region showed signs of volcanic activities and erupted. This study showed that there is a clear relationship between the occurrence of earthquakes and the increase in the number of volcanic eruptions by conducting verifications based on statistical calculations. Furthermore, high possibility that these earthquakes prompted the eruptions only when volcanoes had already been in a critical state of unrest prior to an earthquake was found out. Those results indicate a need to monitor activities of unrest volcanoes on regular basis and this kind of surveillance would be a key insight for the reduction of volcanic hazard.

The research was published online on November 17th, 2021.

The URL of the research is as follow;

<http://www.nature.com/articles/s41598-021-01725-1>

*NIED = National Research Institute for Earth Science and Disaster Resilience