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## Greetings to All Readers

*By Dr. Toshiaki Yokoi, Director of IISEE*

Dear Readers of IISEE News Letter:

Hope you, your family and your colleagues a happy and prosperous new year.

May we see IISEE enforcing the training program forward in 2018, too.

At the beginning of the new year, 1,815 ex-participants from 100 countries were counted, and in the Global Seismological Observation Course started from January 17 more participants are present including one from the 101th country Timor Leste.

In 2017, damaging earthquakes took place in China, two in Mexico, one in Oaxaca another in Puebla, and in Iran-Iraq border region. We'd like to express our deep sympathy with those who in the affected area. These catastrophes made us reconfirm the necessity to keep IISEE's high mission through our training courses for mitigating earthquake disasters and for making people living in the earthquake-prone countries more safely and peacefully.

Humanity of this century seems to have technologies and wisdom for coexisting with the harsh natural phenomena earthquake disasters. Unfortunately, we have to say that these have not yet been spread well to all over the world.

Dissemination of Earthquake Engineering and Earthquake Science as well as IISEE's international training courses is now required, to keep and improve them as the properties common to all human beings through dozens generations in a sustainable way until the next millennium.

We keep on our activities to facilitate the communication and information exchange with the readers of the News Letter, the ex-participants and other people working in the field of Seismology and Earthquake Engineering. Please pay attention to the notices provided in the News Letter.



Dr. Yokoi

Finally, I would like to add a word of grateful acknowledgment to you all for your kindness and attention to IISEE again.

## 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!!



Enjoy, Now

## The 2017 Global Seismological Observation Training Course has started

*By Mr. Yoshihiro Iitake, Head of Administration Division, IISEE*

The Global Seismological Observation Training Course has started on January 16th, 2018. There are 17 participants from 17 countries (Algeria, Bangladesh, Bhutan, Cuba, Egypt, Fiji, India, Iran, Myanmar, Namibia, Nepal, Pakistan, Samoa, Solomon Islands, Thailand, Timor-Leste, and Zimbabwe) joining this training course.

The Training Course has the special aim to develop human resources having acquired the skills necessary for detecting nuclear tests applying seismological knowledge. Since 1995 until now, 226 participants from 71 countries has completed.

Training participants of this year is working actively to learn the knowledge about the international seismic observation and acquire advanced earthquake analysis technique.

I hope that they could enjoy staying Japan in addition to the training then go back to their countries with good memory.

\*The Global Seismological Observation Training Course is carried out by the support and cooperation of CTBTO, MOFA, JICA, JMA and other organizations.



MOFA Mr. Taguchi



BRI Dr. Midorikawa



JICA-Tsukuba Mr. Takahashi

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



Group Photo of Global Course Participants

## Field Survey for Building Damages due to the 2017 Central Mexico Earthquake

*By Dr. Tatsuya Azuhata, Chief Research Engineer of IISEE*

On 28th Nov. -5th Dec., the BRI dispatched two researchers, Dr. Tatsuya Azuhata (IISEE) and Dr. Akihiro Nakamura (Dept. of Structural Engineering) to conduct a field survey for the building damage caused by the 2017 Central Mexico earthquake which occurred on 19th Sept.

First, they visited the National Center for Disaster Prevention of Mexico (CENAPRED), heard the damage survey results by the CENAPRED and discussed them. From the second day, they observed the damaged area in Mexico-city under the support of research staffs of the CENAPRED and visited the National Autonomous University of Mexico to acquire information relating to the building damages.

About 40 buildings collapsed due to this earthquake. Most of them were designed following the previous building design codes issued before 1985, and their number of stories approximately ranged from five to seven. Long-period earthquake ground motions did not occur. Thus, high-rise buildings were hardly damaged.



Photo.1 Example of collapsed building

## Back Numbers

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



Photo. 2 State of damage survey

In Mexico-city, building damages were limited. This result suggests the effectiveness of the seismic building codes revised after 1985. Dr. Azuhata and Dr. Nakamura now continue to investigate the relation between the seismic design code and building damage, etc. in more detail and will publish their research results soon.