

International Symposium on Earthquake Forecast / 5th International Workshop on Earthquake Preparation Process ~ Observation, Validation, Modeling, Forecasting ~ (ISEF-IWEP5)

Chiba University, Chiba, Japan
May 25-27, 2018

Last update : March 26, 2018

Scope of the workshop

The most recent catastrophic earthquakes (the 2004 Sumatra, the 2008 Sichuan, China, the 2011 Tohoku, Japan, the 2015 in Nepal) claimed thousands of lives and caused extensive economic losses. Year of 2018 is also the 10th year of remembering the 2008 Sichuan Earthquake (M8.3) disaster in China. Still the International science community is looking for solutions in the early detection of major seismic events in order to minimize the loss of human life. Multiple detections of earthquake precursory signals have been reported before and the new observations from space and ground have provided new evidences about the existence of pre-earthquake processes. The latest studies reviled the pre-earthquake signals statistical significance, repeatability, universality, and effectiveness for the forecast. **On February 2, 2018. Chinese Satellite on Earthquake Study (CSES-1) launched and starts to measure data. This is also good chance to integration of space and ground sensors.** In this workshop, while still discussing the applicability of pre-earthquake signals towards short-term earthquake forecasting, we contemplate to explore different physical mechanisms for generation and propagation of pre-earthquake signals. Discussions on earthquake forecast test, integration of multi-parameter observation and international joint research are also included. **IWEP5 will jointly be organized with International Symposium on Earthquake Forecast (ISEF) by geomechanics people. The purpose of IWEP5 and ISEF is very close and the mutual benefit to make bridge between seismology and EM studies is expected. In particular, we welcome papers claiming evidence that short-term precursor really exists by analyzing existing data statistically and objectively.**

Topics

- General discussion on earthquake preparation process and the physics of pre-earthquake signals
- Statistical analyses of earthquake precursors
- Theory, modeling, laboratory experiments, computational simulation for generation and propagation of pre-earthquake signals and their connection with seismic cycle
- Multi-parameter observations, detection, and validation of pre-earthquake signals
- Integration of multi-parameter observation and related projects and results
- Cross-disciplinary studies, practical, and technical approaches for better understanding of earthquake preparation processes and their connection with seismicity
- Presentations on the latest developments in earthquake predictability and prospective testing associated with major earthquakes are welcomed

Venue

The workshop will be held at Chiba University (Nishi-Chiba Campus), Chiba, Japan on May 25-27, 2018.


Access information:


<http://www.chiba-u.ac.jp/e/about/location/index.html>

http://www.chiba-u.ac.jp/e/about/location/access_to_nishi-chiba_campus.html

Participant & Registration

Participants of the workshop will be scientists and students interested in this field. Participants from the industry are very welcome. All participants are subjected to register in advance through e-mail as written in the following. Invited talks and contributed papers (oral and poster talks) will be presented in the workshop. ***This workshop is free of charge.***

< [Registration form \(PDF format\)](#)  >

< [Registration form \(Word format\)](#)  >

Abstract Submission & Deadline

The abstract of the paper (A4, 1 page) should be submitted to the following address in the PDF or MS-Word **by April 30, 2018.**

✉ hattori@earth.s.chiba-u.ac.jp

Welcome Party

Welcome party for all participants will be held from 18:00 on **May 25, 2018.** The price will be around 6,000JPY per person (3,000 JPY for a student). The party place is "COLZA", the 1st floor of Keyaki Kaikan, Nishi-Chiba Campus.

VISA

Participants, who need Japanese VISA, please send an email to the following address for invitation letter.

✉ hattori@earth.s.chiba-u.ac.jp

Sponsor

- Coordinating Committee of Earthquake and Volcanic Eruption Prediction Researches, Earthquake Research Institute, the University of Tokyo
- Chiba University, Japan



Supported by

- Earthquake Prediction Society of Japan
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