

4th International Workshop on Earthquake Preparation Process ~ Observation, Validation, Modeling, Forecasting ~ (IWEP4 2017)

Chiba University, Chiba, Japan
May 26-27, 2017

Last update : May 12, 2017

What's New

- Update the **Welcome Party** information. Party will be held on **May 27**, not 26. (May 9, 2017)

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 2017 is also the 6th year of remembering the 2011 Tohoku Great Earthquake (M9.0) disaster in Japan. 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 revealed the pre-earthquake signals statistical significance, repeatability, universality, and effectiveness for the forecast. 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.

Topics

- General discussion on earthquake preparation process and the physics of pre-earthquake signals
- 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 26-27, 2017.
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, 2017*.

✉ hattori@earth.s.chiba-u.ac.jp

Welcome Party

Welcome party for all participants will be held from 18:00 on **May 27, 2017**. 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. (plan)

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

- Chiba University, Japan



Co-sponsor

- Earthquake Prediction Society of Japan
- integrated Study and Test for Earthquake Precursors (iSTEP-4), Taiwan

Supported by

- National Central University, Taiwan
- Chapman University, US
- Tokai University, Japan

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