



## *Second Circular*

# 12th International Symposium on Deep Seismic Profiling of the Continents and their Margins



THE UNIVERSITY OF TOKYO

*September 24 - 29, 2006  
Shonan Village Center, Hayama, Japan*



The Earthquake Research Institute (ERI), the University of Tokyo and Japan Agency for Marine-Earth Science and Technology (JAMSTEC) and National Institute for Earth Science and Disaster Prevention (NIED) will jointly host the 12th International Symposium on "Deep Seismic Profiling of the Continents and Their Margins" in Shonan Village Center, Hayama, near Tokyo, Japan. The symposium will take place from Sunday September 24, 2006 to Friday September 29, 2006. The 12th meeting is the IASPEI and ILP sponsored meeting, following in a sequence of successful conferences held at Cornell/84, Cambridge/86, Canberra/88, Bayreuth/90, Banff/92, Budapest/94, Asilomar/96, Platja d'Aro/98, Ulrik/2000, Taupo/2003 and Mont-Tremblant/2004, and will be the first time to be held in Asia. We encourage you to participate in this symposium.

*Full information is on the following site. <http://www.eri.u-tokyo.ac.jp/seismix2006/>*

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## SCIENTIFIC PROGRAM

We invite submission of research papers concerning deep seismic techniques for imaging and constraining the structure, composition and tectonics of the continental lithosphere. The focus of the scientific program will be studies of the Earth's crust and lithosphere using seismic reflection, refraction and teleseismic methods, and integration of these studies with other geophysical techniques and geological data. Because of the strong interest by Japanese earth scientists in disastrous earthquakes, which occur in and around the Japanese islands, we add two sessions on "Subduction structures of megathrust zones" and "Seismic investigations for disastrous earthquake areas".

Session topics will include:

1. Active continental margins
2. Intra-continental collision and accretion
3. Continental rifts and basins
4. Passive continental margins
5. Integrated multidisciplinary case studies
6. The continental mantle
7. Numerical modeling of heterogeneity and anisotropy
8. Innovative seismic acquisition and processing techniques.
9. Seismic investigations related to mineral resources and volcano-plutonic system
10. Subduction structures of megathrust zones
11. Seismic investigations for disastrous earthquake areas
12. [Classic transect](#) (sponsored by IGCP 474 project)

#### **\*Classic Transects**

This poster session continues the process of documentation and description of those 'Classic' seismic transects that have been recorded from a number of tectonic terranes throughout the world and that have influenced global thinking on geological processes. 'Classic' seismic transects are regarded as leading seismic examples that have made a major, global impact on geological thinking in terms of

1. Making a major contribution to our understanding of geological processes
2. Changing in a significant way our understanding of a region, area or province
3. Making a major contribution to the science of imaging the Earth's crust and deep interior.

#### **Classic Transects Poster Session**

This is a poster session only. All poster presenters should provide their poster to the IGCP474 for inclusion on their web site. Posters can be any length, however try to fit within a 2.4 m length. Also please let the organizers know your poster length so they can organize poster boards. See <http://www.earthscrust.org/> for further information on IGCP474 as contacts.

## **CALL FOR PAPERS**

Both oral and poster contributions are encouraged. Following the tradition, no parallel sessions are planned. Posters are considered a fundamental part of the meeting, and ample time will be dedicated to discussion of poster contributions. Authors of oral presentations are encouraged to also present their major results as posters. Open discussion sessions during the evenings are anticipated.

## **SUBMISSION OF ABSTRACTS**

Abstracts can be submitted in the following format via email to [dseismix2006-abs@shonan-village.co.jp](mailto:dseismix2006-abs@shonan-village.co.jp).

Please download the abstract form and complete your abstract following the instructions given in the abstract form. The submission of the manuscript with MS-Word is preferable, but text file is also acceptable. PDF format output of the manuscript should be attached to MS-Word format manuscript, to avoid misprint of the MS-Word manuscript.

\*The abstract will be accepted from April 3, 2006.

\*Abstract form is attached at the end of this circular.

Poster size is 2.40 m width by 1.20 m height. Unless otherwise requested, poster presentations will be assigned a single board. If you are requesting more than one board, please contact the organizing committee [seismix2006@eri.u-tokyo.ac.jp](mailto:seismix2006@eri.u-tokyo.ac.jp).

## **PUBLICATION OF MEETING VOLUME**

A symposium volume is planned through an international journal after the conference. The Organizing Committee has made preliminary arrangements with the publishers of the Tectonophysics for a special issue in which the proceedings will be published, same as those resulting from previous meetings. Further information will be provided during the meeting.

## MEETING INFORMATION

### *Venue*

Shonan Village Center is located near the center of Miura Peninsula with its scenic views of Mt. Fuji and an overlook onto Sagami Bay. See <http://www.shonan-village.co.jp> for more details about the venue. It is 50 km from Tokyo and 2.5-hour from Tokyo (Narita) International Airport by direct train. In late September, expect a nice early autumn season and temperatures in the high 20° C during the day and about 17° C at night. Detailed instruction how to get to the Shonan Village Center will be uploaded later on this home page.



The main conference auditorium will have two 35 mm slide projectors, two overhead projectors and an LCD projector. The LCD projector will use Powerpoint or PDF files run on a conference computer. You will need to supply your presentation to the meeting organization on a CD or memory stick at least a day before your presentation.

Most of the conference hotel rooms have high-speed internet connection that are included with the room.

### *Meeting timetable*

From 24th to 29th September 2006

DAY	MORNING	AFTERNOON	EVENING
Sunday 24th			Icebreaker party
Monday 25th	Oral session Japan Session*	Oral & Poster session	Poster session and cash bar
Tuesday 26th	Oral session	Oral & Poster session	Poster session and cash bar
Wednesday 27th	Oral session	Tourist trip to Kamakura + Dinner	
Thursday 28th	Oral session	Oral & Poster session	Poster session and cash bar
Friday 29th	Oral session	Check-out by noon. End of Symposium	

\* **Japan session:** Following keynote addresses will be presented. Titles are tentative.

Prof. Akira Hasegawa (Tohoku Univ.)

Seismic activity in Japan: crust, mantle and slab structures

Prof. Tanio Ito (Chiba Univ.)

Outline of the geological structures and their evolution of the Japanese islands

### ***Half-day trip***

On Wednesday 27<sup>th</sup>, we plan a bus trip to Kamakura City. For 150 years beginning in 1192, Kamakura served as the political center of Japan. This trip takes you to the most spectacular spots within Kamakura City, such as the Great Buddha in Kotokuin Temple, Hase Kannon Temple, etc.



## **REGISTRATION INFORMATION**

All prices are in Japanese yens (100 JPY=0.87 USD, 0.75 EUR on March 10, 2006)

### ***Conference registration***

For registration, see <http://www.eri.u-tokyo.ac.jp/seismix2006/>.

Registration Fees (JPY)	By Jun 23	After June 23 and on-site
Participants	30,000 JPY	45,000 JPY
Students	15,000 JPY	25,000 JPY
Accompanying person	12,000 JPY	12,000 JPY

\*Registration includes: abstract volume; participation in all sessions; twice-daily coffee-breaks; social events (e.g. icebreaker and a half-day trip) and shuttle from nearest railway station (Zushi Station) to Conference center.

\*\*No funds are allocated for international travel.

## ***Accommodation registration***

### ***Board and lodging options***

We expect most participants to stay at the conference center. The hotel has a capacity of 50 single and 50 double rooms for an anticipated 165 participants and accompanying guests. If there is overbooking will be housed in hotels located in the Shonan Village area. Board includes all meals from Sunday dinner to Friday noon. Extra-staying is available at same rate on the Friday night.

### ***Board and lodging rates are:***

Full board package (from Sunday to Friday) per person is 24,000 JPY  
Full board package for children (age 4 to 12) is 17,000 JPY

It includes all meals from Monday breakfast to Friday lunch.

Accommodation (from Sunday night to Friday morning)

Single	46,000 JPY
Share (twin)	37,000 JPY
Guest house of GUAS*	10,000 JPY

\*The guest house of the Graduate University for Advanced Studies (GUAS) is available for students. However, we can provide only eight twin and two single rooms. These rooms will be assigned on the order of registration.

For registration, see <http://www.eri.u-tokyo.ac.jp/seismix2006/>.

\*More information is on the registration web page.

## ***Post-symposium Field Excursion: (Saturday, September 30 - Monday, October 2)*** **Active Tectonics in the Izu-Tanzanwa Collision Zone**

The Izu-Bonin Arc on the Philippine Sea Plate is now colliding against the Honshu Arc on the Eurasian Plate, forming the Izu-Tanzawa Collision Zone several tens of kilometers west of Hayama. The vigorous tectonic activities in this zone are represented by fault movements, volcanisms, and seismicities at present. It has also created spectacular landforms there. We will visit several areas to observe and discuss these tectonic features, using recent seismic reflection/refraction studies.

### **Day one (Saturday, September 30)**

We will travel from Hayama on the Honshu Arc to the Izu Peninsula that marks the northern end of the Izu-Bonin Arc.

*Stop 1:* The Tanna Fault in the middle Izu Peninsula.

It was displaced left-laterally with the Kita-Izu Earthquake of  $M7.3$  in 1930.

*Stop 2:* The Upper Miocene Shirahama Group on Dogashima Coast, western Izu Peninsula (Fig.1).



The group consists largely of submarine pyroclastic rocks, which are essential to understand the past and present volcanic activities of the Izu-Bonin Arc.

We will stay in Shimoda in the southern Izu Peninsula. Shimoda is a historical city where two treaties of peace and amity were concluded; one was with the USA (by Admiral Perry) in 1854, and the other with Russia (by Admiral Putyatin) in 1855. The lodging here boasts spa.



Fig.1. Hot pyroclastic debris flow deposits.

### **Day Two (Sunday, October 1)**

We will travel from Shimoda to Hakone Volcano running through the backbone range of the Izu Peninsula.

*Stop 3:* Hakone Volcano, northern Izu Peninsula to observe the caldera and geothermal activities (Fig.2). There are lots of sight-seeing spots of both geological and historical interest. At the caldera rim, the excellent scenery of Mt. Fuji is visible beyond the Izu-Tanzawa Collision Zone. We will stay by the shore of Ashinoko, the caldera lake. The lodging here also boasts spa



Fig. 2. Caldera rim and the caldera lake, Ashinoko. Faraway snow-capped stratovolcano is Mt.Fuji

### **Day Three (Monday, October 2)**

We will move to the piedmont of Hakone Volcano.

*Stop 4:* Hot Springs Research Institute of Kanagawa Prefecture. The institute has been monitoring the seismicity of Hakone Volcano and its surrounding area since 1968.

We will transfer from Hakone Volcano into the Izu-Tanzawa Collision Zone.

*Stop 5:* Kozu-Matsuda-Kannawa Fault System on the northern border of the Izu Peninsula. The system corresponds to the boundary between the Philippine Sea and the Eurasian plates.

Stop 6: The Quaternary Ashigara group that filled up the trough along the convergent boundary between the two plates.

We will arrive at JR Odawara Station at about 3 pm.

### ***Excursion registration***

Cost of the excursion is 50,000 JPY. It includes transportation, hotel accommodation, field guide, and most meals. Maximum number of participants is 40 persons.

Excursion registration, see <http://www.eri.u-tokyo.ac.jp/seismix2006/>.

## **LOGISTICAL AND ADMINISTRATIVE INFORMATION**

### ***Registration and Check-in***

The registration office will be allocated at the Hotel reception. Check-in will be available from Sunday 24th at 15:00.

### ***Procedure of Registration and Methods of Payment***

Registration and payment will be carried out by following steps.

1. Do the online-registration at the registration site.
2. After finishing the online-registration, you will receive confirmation by e-mail as an automatic replay.
3. Within 10 days, you will receive another confirmation e-mail from the symposium staff, informing the total amount of your payment.
4. Please send a fax your credit card form, including your credit card information. The symposium organizers accept only payments in Japanese yen (JPY) by Visa, Mater Card or American Express.
5. The symposium organizers will charge your credit card by mid-September.

### **Processing Steps of Registration**



### ***Visa and bank information***

Citizens for many countries do not normally require a visa to enter Japan. However, you should contact your local Japanese Embassy if you are uncertain about visa. The Organizing Committee will provide letters of invitation to any participants who need such a letter for visas to travel.



### ***Cancellations and refunds***

Registration fees will only be refunded if the notice of cancellation is received in writing before the registration deadline (June 23). Refunds for cancellation requests received in writing after June 23 will be determined based on whether your room/board package can be resold. In any event, the cancellation fee is 10,000 JPY to cover commitments entered by the Organizing Committee on your behalf. No refunds will be made for cancellation request received after August 23.

### ***Travel to/from the symposium***

By JR Sobu-Yokosuka Line Rapid Train('Airport Narita' ). Get off at Zushi Station. (2 hours 30 mins. approx. from Narita Airport).

By JR Narita Express. Change at Yokohama Station to JR Yokosuka Line. Get off at Zushi Station (2 hours approx. from Narita Airport).

From JR Zushi Station take Keikyu Bus (No. 16). Get off at Shonan Kokusaimura Center Mae. (30 mins. approx.). The organizing committee will arrange shuttle bus from nearest railway station (Zushi Station) to Conference center.

Detailed information of the transportation from Narita Airport to the conference center will be uploaded before the symposium.

Travel information is available from this URL.

[http://www.shonan-village.co.jp/english/link\\_index.html](http://www.shonan-village.co.jp/english/link_index.html)

## **IMPORTANT DATES AND DEADLINES**

**April 3, 2006** Start the acceptance of registrations, board and lodging and post-symposium field excursion.

### **Deadlines**

**June 23, 2006** Submission of all abstracts; receipt of early bird registration and board.

Preference in allocation of rooms will be given to early applicants.

\*\* The registration of the post congress excursion will be terminated by 40 attendees.

## **SPONSORS**

We acknowledge with thanks the financial support of:

Japan Society for the Promotion of Science,  
InterMARGINS,

Earthquake Research Institute, the University of Tokyo (ERI)

Japan Agency for Marine-Earth Science and Technology (JAMSTEC)

National Research Institute for Earth Science and Disaster Prevention (NIED)

International Geoscience Programme (IGCP) 474  
 Ministry of Science, Culture and Sport, Japan  
 The Graduate University for Advanced Studies  
 Yokosuka City  
 Japan Petroleum Exploration Co., Ltd.  
 JGI, Inc.  
 Kawasaki Geological Engineering Co. Ltd.  
 Japan Continental Shelf Survey Co.Ltd.  
 Hanshin Consultants Co. Ltd.  
 (on March 28, 2006; The list will be updated following the increase of sponsors.)



We acknowledge with thanks the sponsorship of our scientific program by:

International Association of Seismology and Physics of the Earth's Interior (IASPEI)  
 International Lithosphere Program (ILP)  
 Japan Geoscience Union  
 Seismological Society of Japan  
 Geological Society of Japan



## ORGANIZING COMMITTEE

Contact address: [seismix2006@eri.u-tokyo.ac.jp](mailto:seismix2006@eri.u-tokyo.ac.jp)

Takaya Iwasaki (Chair: Earthquake Research Institute, The University of Tokyo)  
 Yoshiyuki Kaneda (Vice Chair: Japan Agency for Marine-Earth Science and Technology)

Tanio Ito (Vice Chair: Chiba University)  
Hiroshi Sato (Secretary in general: ERI, the University of Tokyo)

Shuichi Kodaiara, Narumi Takahashi (Japan Agency for Marine-Earth Science and Technology)  
Takashi Iidaka, Aitaro Kato (ERI, the University of Tokyo),  
Kiyoshi Ito (Kyoto University)  
Masaki Kanao (National Institute of Polar Research)  
Takanobu Yokokura (National Institute of Advanced Industrial Science and Technology)  
Keiji Kasahara (National Institute for Earth Science and Disaster Prevention)

## **BUSINESS MEETINGS**

Scientist willing to have a business meeting during the symposium, please send the e-mail to the Organizing Committee ([seismix2006@eri.u-tokyo.ac.jp](mailto:seismix2006@eri.u-tokyo.ac.jp)) including name of meeting, expected number of participants, required equipments (e.g. LCD projector and/or overhead projector) and contact address of responsible scientist.

## **HEALTH INSURANCE**

Emergency medical care of Japan is very expensive. Therefore we strongly recommend you to purchase traveler's health insurance before coming to Japan.

## **NEXT MEETING**

Scientist willing to host the 13th International Symposium on Deep Seismic Reflection profiling in 2008 must communicate their interest to the Organizing Committee ([seismix2006@eri.u-tokyo.ac.jp](mailto:seismix2006@eri.u-tokyo.ac.jp)) before the end of the 12th Symposium.

## ***Abstract Form***

### **THE TITLE SHOULD BE IN CAPITALS, LEFT JUSTIFIED, AND BOLD**

Author1, A.B., Author2, C.D. & Other, A.N. ← Speaker/Presenter is underlined

Author's addresses, including countries.

Tel. (Include country code) , Fax , & email address of Speaker/Presenter

Abstracts should not be summaries of the work and activities that have been undertaken, but rather should present a succinct summary of the scientific findings that will be presented.

If new paragraphs are required to highlight separate issues, they should be half a line spacing from the last paragraph. Lines should be right and left justified. A font similar to Times Roman 11pt should be used throughout the abstract. The title should be in bold and upper case. It should be spaced one blank line from the author list. The address, telephone and facsimile numbers, and email address of the speaker/presenter should follow. Another blank line should separate the block of author information from the body of the text.

Abstracts will be published two to a page, similar to the practice in previous deep seismic meetings. Authors should note that for this meeting, Imperial A4 paper will be used, as is the practice in Japan. Imperial A4 paper is 210mm wide × 297 mm high. Borders should be set at 25mm on the right and left, so that the available width for text is 160mm. Those authors from countries which do not use Imperial A4, for example, our North American colleagues, who cannot set up a suitable format should adjust their page borders to allow for 160 mm of text and the conference convenors will do their best not to butcher their abstracts when reformatting for the abstract volume. In order to allow for two abstracts to a page, the maximum height that any abstract can be is 110 mm from the top of the title to the bottom of the text. These instructions are set out in the required format.

### **Submittal Information**

- 1) Corresponding author and affiliation
- 2) Provide the address, telephone and facsimile and phone numbers, and email address of corresponding author/presenter here. This information will be removed before the abstract volume is prepared and used elsewhere. Corresponding author may be different from the speaker or presenter
- 3) Indicate the topics to which your paper is suitable. See the list of topics list in "Scientific Program". You can indicate plural topics.
- 4) Indicate whether any additional projection equipment is required, except for a LCD projector.
- 5) Indicate whether you prefer Oral Presentation, Poster Presentation or Both. We have a choice of "Both" for the authors of oral presentations who require a companion poster display, especially if their paper includes presentation of large amounts of reflection data. The conference organizing committee reserves the right to do the final allocation.