

“Transport of Materials in the Dynamic Earth”

**October 2 – 5, 2001, Kurayoshi, Japan
SECOND CIRCULAR**

This is the Second Circular (PDF file version) for the international symposium on "Transport of Materials in the Dynamic Earth" (October 2 - 5, 2001, Kurayoshi, Japan).

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Ministry of Education, Culture, Sports, Science, and Technology
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Invitation

We are pleased to announce that the Geophysical Laboratory (Carnegie Institution of Washington), Bayerisches Geoinstitut (Bayreuth University), and the Institute for Study of the Earth's Interior (Okayama University) will co-sponsor the fourth in a series of topical symposia. The meeting will be held in a newly built convention center in Kurayoshi, western Japan, from October 2 - 5, 2001. The theme of the meeting is "Transport of Materials in the Dynamic Earth". There will be six topical sessions with keynote and invited lectures for each session to be provided by experts in the field. Contributed papers will mainly be presented by posters, but the organizers will ask selected papers be also given in short talks in the discussion period.

We are soliciting abstracts of the papers for the meeting, which will be assembled into an abstract volume.

ABSTRACT DEADLINE: August 20, 2001

Abstracts should be no longer than two pages in length in A4 format, including figures and references. The abstract can be submitted through web page or by email. Detailed instructions for abstract preparation and submission as well as instructions for poster presentation are given in the web page.

You are cordially invited to participate in this meeting. Please contact us by email if you would like to have a personalized invitation letter addressed to you.

Scientific program

The scientific theme of this meeting is the "Transport of Materials in the Dynamic Earth". Session topics are interdisciplinary, and are designed to promote cross-fertilization of ideas among geochemists, mineral physicists, and seismologists. We have planned six topical sessions, each of which will include two formal lectures, a 45-minute talk by a keynote speaker, and a 20-minute talk by a person that will also serve as the session chair. After the formal talks in each session, there will be an extensive discussion period for which we will coordinate a number of short presentations of new results by individuals from each "community". At present, the program is as follows:

Session 1. Imaging the mantle

Keynote: Yoshio Fukao, Earthquake Research Institute, Univ. Tokyo

Chair: Guy Masters, Scripps Institute of Oceanography, UCSD

A session to address recent progress in mapping mantle domains using global seismic tomography.

Session 2. Formation and evolution of geochemical reservoirs

Keynote: Stan Hart, Woods Hole Oceanographic Institution

Chair: Al Hoffman, Max Planck Institut für Chemie

A session to address the formation and evolution of geochemical mantle domains.

Session 3. High pressure mineral physics

Keynote: Rus Hemley, Geophysical Laboratory

Chair: Eiji Ito, Institute for Study of the Earth's Interior, Okayama Univ.

A session to address how the physical properties of terrestrial materials can be used to build realistic models of Earth structure and dynamics.

Session 4. Dehydration of subducting slabs and water storage in the mantle

Keynote: Max Schmidt, CNRS, Clermont-Ferrand/ETH Zuerich

Chair: Eiji Ohtani, Tohoku Univ.

A session to address issues encompassing the return of materials to the mantle via subducted crust and lithosphere, and the storage of water in the mantle.

Session 5. Magmatic differentiation and the evolution of the mantle and core

Keynote: Eiichi Takahashi, Tokyo Institute of Technology

Chair: Bernie Wood, Univ. Bristol

A session to address the role of magmatic differentiation in the formation and evolution of major Earth reservoirs.

Session 6. Future Perspectives

Keynote: Dave Mao, Geophysical Laboratory

Chair: Dave Rubie, Bayreuth Geoinstitute

A session to address how the various communities can interact in the future to solve existing questions regarding the transport of material in the dynamic Earth.

Registration

Preregistration can be accepted only through credit cards (Visa or MasterCard). Participants can register using the electronic registration form.

Alternatively, you can register via fax (+81-858-43-2184) using the downloadable registration form.

To avoid the late registration fee, please register before August 20, 2001. Participants who state on the registration form that they have a problem paying by credit card, may pay in cash at the meeting.

Registration fees cover the followings:

- * Meeting facilities
- * Reception and banquet
- * Abstract volume
- * Coffee break

Refund policy:

Registration fees may be refunded if cancellation is received by us before September 15 (subject to handling charge). After that, the fees are not refundable.

Registration at the Meeting

The registration desk will be open on October 2, from 2:00 - 8:30 PM at the meeting place (Kurayoshi Mirai Chushin). Preregistered persons should check in and collect their badges, abstract volume, etc. The registration will also be available for those who did not register in advance. The registration desk will be open in the same location between 8:30 AM and 16:00 PM for the conference period.

Abstract submission

Abstract should be no longer than two printed pages (A4) in length including figures and references. Abstract can be submitted by the electronic submission form.

Those who wish to include figures, tables, equations, and/or special characters in the abstract, please attach your abstract to an e-mail and send to symp@paleo.misasa.okayama-u.ac.jp.

We can accept document in LaTeX or Word format. As for the figures, we can accept jpeg, bmp, ps, tiff and gif formats. When including figures, please send them separately, rather than to include them embedded in a manuscript (such as encapsulated PS format).

If you wish to send the abstracts in a format different from the ones described above, please contact to symp@paleo.misasa.okayama-u.ac.jp. In order for us properly edit the abstract, please send a hard copy via fax (+81-858-43-2184).

Deadline for the abstract is August 20.

Post-Conference Field Trip

We will run one of the following two excursions, depending on the majority vote received through the registration of the participants. Excursion is open to anyone who wishes to participate. We look forward to seeing you!

A) Sambagawa Metamorphic Belt, Central Shikoku

- * Length: 3 days. Cost: ca 40,000 yen. Max. number of participants: 40.
- * Start - Saturday, 6 October from the conference place (Kurayoshi); end - Monday, 8 October at JR Okayama Station (Okayama).
- * Field trip leader: Mitsuhiro Toriumi (Univ. Tokyo).
- * Reservation - soon available at this web site.

The trip will visit the Sambagawa metamorphic belt in central Shikoku, a typical subduction related metamorphic complex. Geological detail of the area we will visit is available at ISEI web site.

A chartered bus will leave Kurayoshi at 8:00 A.M. on Saturday 6th. The trip will end on Monday 8th at JR Okayama station (ca. 12:00 Noon). Participants can find express railway connections to international airports (Narita or Kansai) or any other major cities. The time schedule of railway connections can be found at <http://www.japanrail.com/>. The bus will return to Kurayoshi (ca. 15:00 P.M.), any participant who wishes to return to Kurayoshi will be able to take the bus without extra charge.

The cost, approximately 40,000 yen, will cover bus transportation, two nights hotel accommodation (in Japanese-style "ryokan"), breakfast, and evening meals.

B) Daisen Volcano One-day Excursion

- * Length: 1 day. Cost: ca 5,000 yen. Max. number of participants: 40.
- * Start & end - Saturday 6 October, conference place (Kurayoshi).
- * Field trip leader: Michael Walter and Shigeru Yamashita (ISEI, Okayama Univ.).
- * Reservation - soon available at our web site.

Mount Daisen is a Quaternary arc volcano situated only 30 km south of the Japan Sea coast. Its elevation (1760 m) is the highest in western Honshu Island. Apart from geological interest, Mount Daisen provides scenic beauty as well as historical landmark (in the middle ages, Daisen temple boasted of thousands of monk-soldiers who fought for the cause of the temple).

This excursion is a combination geological field trip and outdoor activity. The chartered bus will leave Kurayoshi at 8:00 A.M. and return to Kurayoshi at about 8:00 P.M. The cost of the trip includes transportation and lunch. For details of the Daisen excursion, see ISEI web site.

Meeting place

The meeting will be held in Kurayoshi Mirai Chushin at Kurayoshi Park Square. Kurayoshi Park Square is a newly opened complex containing a museum, a library, a swimming pool, one large and one small hall in addition to several smaller meeting rooms for various performances and conferences. It is located about 4 km southwest of the hotel. The oral sessions will be held in the Small Hall (seats 300). The posters will be displayed in a big Atrium (40 meters high!), in the middle of the Mirai Chushin building. Coffee and tea are served at the same place.

See (<http://www.city.kurayoshi.tottori.jp/park/>) for more information about the venue, although it is written in Japanese.



Kurayoshi Park Square

Transportation between the hotel and the meeting place

Bus transportation will be provided every morning and evening between Hotel St. Palace Kurayoshi or Misasa and Kurayoshi Mirai Chushin. The bus will leave the hotel at about 8:30 A.M., and return at about 6:00 P.M. Public buses are also available at a cost of 220 yen one way. Please look at ISEI web site for the public bus time table.

Parking

Parking space is available for 838 cars in Kurayoshi Park Square.

Local climate

The average temperature in Kurayoshi for October is about 16 degree C. Weather in October is usually stable and fine, but please do not forget to bring rain gear with you for sudden showers.

About the host institution

Institute for the Study of the Earth's Interior, Okayama University is located about 8 km to the east of the conference place. It is a nation-wide joint-use research center, serving the community in Japan. Its foundation goes back to 1939, when a small medical clinic center was opened in the small town of Misasa, famous for the hot spring with a high radium content. The ISEI was founded in 1985, through reorganization of the (then) Institute for Thermal Spring Research. The purpose of the ISEI is to conduct research on the origin, evolution and dynamics of the Earth, and also to make available the Institute's facilities to researchers in relevant fields outside the Institute.

How to Reach Kurayoshi

Kurayoshi is a small city located in the San-In district of Honshu island, Japan. Overseas participants may arrive at either the Narita International Airport near Tokyo or the Kansai International Airport near Osaka. Access to Kurayoshi is given below.

Those arriving at the Narita International Airport are recommended to go to the Tokyo-Haneda Domestic Airport inside Tokyo megalopolis by bus. The limousine bus runs every 15 to 20 minutes between Narita Airport and Tokyo-Haneda Airport, but it takes 1-2 hours to reach the Tokyo-Haneda Airport depending on the traffic conditions. For more information, including the timetable and fare, please visit the Airport's English web site (http://www.narita-airport.or.jp/airport_e/index.html).

From Haneda you can fly to Tottori, the nearest airport to Kurayoshi, on ANA (All Nippon Airways). There are three flights a day from Haneda to Tottori, departing at approximately 7:30 am, 11:30 am and 4:50 pm. Please visit ANA's English web site (<http://svc.ana.co.jp/eng/index.html>) for more information including the timetable and fare. Upon arrival at Tottori Airport, you can get on a connecting bus that will take you to Kurayoshi JR station. It takes approximately 1 hour and costs 1200 yen per person.

Those arriving at Kansai International Airport (English web site: <http://www.kansai-airport.or.jp/>) can reach Kurayoshi by train (<http://www.japanrail.com/>). There is a JR station located in the airport where train tickets can be purchased. The train connections are as follows: 1) Express train "Haruka" to Shin-Osaka JR station, 2) Express train "Super-Hakuto" from Shin-Osaka, which goes either directly to Kurayoshi or to Tottori depending on the time of day. A local train is available for the last leg to Kurayoshi if needed. The entire trip from Kansai to Kurayoshi takes about 5 hours. Seat reservation is recommended, and it can be done at JR's ticket counter at the Kansai Airport. The entire train fare will be approximately 10,000 yen per person. Please note that when you use express trains in Japan you are requested to purchase not only the train tickets but also the tickets for seat reservation. The train fares given above include both. Detailed instructions and time table can be found at: ISEI web site.

Hints for presentation

The oral sessions will be held in the Small Hall in Kurayoshi Mirai Chushin. The posters will be displayed in a big Atrium outside of the Small Hall. Coffee and tea are available at the same place.

For oral presentations, projection equipment consists of two overhead projectors. Slide projectors are not available.

The posters will be displayed in the Atrium outside the Small Hall where oral sessions are held. The maximum allowable poster size is 90 cm (width) x 180 cm (height). The poster boards are made of special material and posters can be attached to the boards only by the use of specific material (velcro). These will be provided by the organizers. No pins or tape should be used.



Small Hall (oral session)



Atrium (poster session)

Social program

Reception

The reception will be held on October 2, 2001, 7:00 to 9:00 P.M. in the Mirai Chushin Atrium (the poster place). After the reception, bus transportation is provided to take you back to the hotel.

Conference Dinner

The conference dinner is scheduled for the evening of October 5, 2001, 7:00 to 9:00 P.M. in the dining hall of Hotel St. Palace Kurayoshi.

Coffee break

Coffee, tea, and other amenities will be provided in the Atrium (the poster place) during the recess in the morning and afternoon every day. You are welcome to examine the posters during the coffee break.

Family program

For the accompanying members, some optional, daytime family programs will be arranged. The cost of a day trip will be about 2000 yen or less. Possible destinations include

- * Tottori Sakyu (Sand dunes on the coast of Japan Sea)
- * Mitoku Temple (A Buddhist temple with long history)
- * Akasaki port (A fishing village on the Japan Sea)

For more information, please check at the registration desk when you arrive in Kurayoshi.

Financial Support

Limited amount of travel support is available for meeting attendants to cover the travel expenses within Japan. Please contact the organizers (symp@paleo.misasa.okayama-u.ac.jp) if you need assistance. Preference will be given to students and post-doctoral researchers.