



The 2nd KAGI21 International Symposium, Beppu 2004

WELCOME

We present a new multi-disciplinary approach for the Earth sciences that emphasizes the physical and/or chemical processes that are encompassed in the “**Active Geosphere**”. In this framework, we propose an integrated study of the processes that take place throughout many realms of the Earth. We will study magma transport deep in the Earth's lithosphere, tectonic stresses in the shallow Earth's crust, general circulations of oceans and the atmosphere, and multi-timescale variations of the climate system. Common threads that link these processes include the water and energy flows that couple all portions of the Geosphere. Since such phenomena evolve and interact on a variety of space and time scales, a new interdisciplinary approach based on optimal inter-related areas of the Earth sciences and recent advances in observational and computational technologies is required.

This International Symposium will discuss and create a new multi-disciplinary approach for the **Active Geosphere**. It is organized by the Kyoto University Active Geosphere Investigations for the 21st Century Centers of Excellence program (**KAGI21**). We hope this will be a multi-disciplinary research and educational effort in the Earth Sciences to forge new investigations of the lithosphere, oceans, and atmosphere to study the **Active Geosphere**.

THEME

“The Active Geosphere in Convergent Regions”

We will emphasize the various phenomena of water, heat and material circulations and their multi-time scale variations as related to convergent plate boundaries, especially focusing on the variations in the “Active Geosphere” near the subduction zones of the Philippine- Sea Plate.

DATES

November 1-4, 2004

VENUE

B-Con Plaza

12-1, Yamanote-cho, Beppu, Oita, 874-0828, JAPAN
TEL : +81-977-26-7111

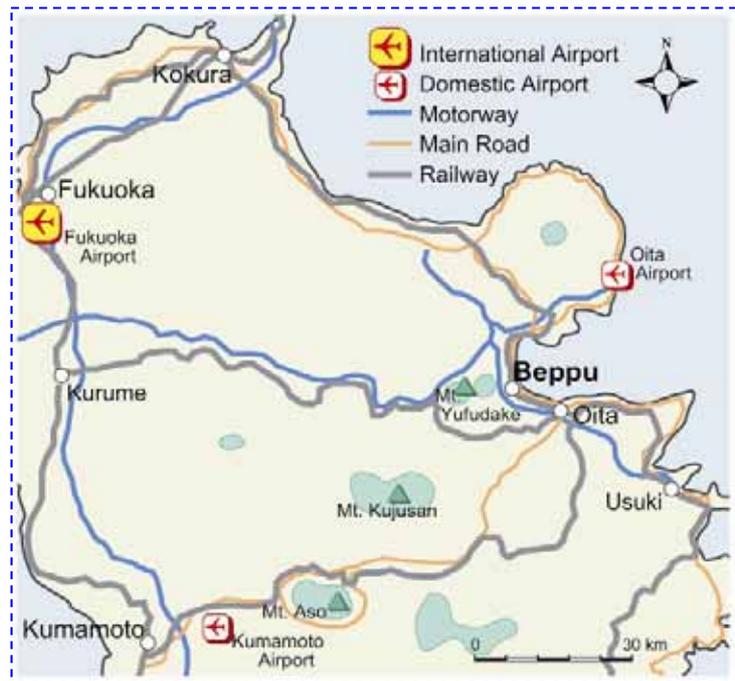
B-Con Plaza is an international class convention facility in the center of Beppu City. It is about 15 minutes walk from Beppu JR-station.

Beppu City is located in north-east Kyushu, and is famous as one of the largest spa resorts in Japan. Thermal waters showing many fascinating chemical qualities are discharged through over 2,500 natural springs and drilled wells. There are also many spas around the Beppu area. They have convenient travel by air, rail, bus and ship.

You can get more information at the following web sites.

<http://www.coara.or.jp/%7Esanken/welcometobeppu/english/index.htm>
<http://www.city.beppu.oita.jp/51englishpage/>



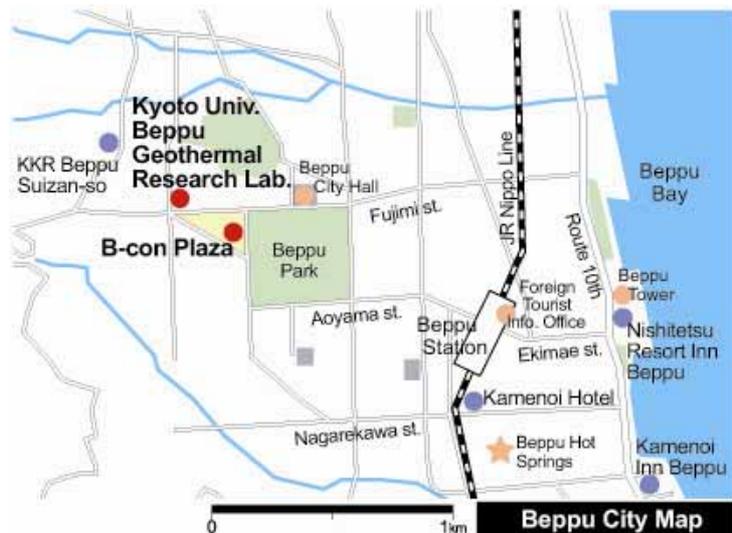


TRAVEL

The nearest train station is JR Beppu Station and the nearest airport is Oita Airport. It takes 40 minutes from Oita Airport to Beppu by airport limousine bus (One-way fare is ¥1,450). Also you can take the Shinkansen (bullet train) to JR Kokura station and change to another train bound for Beppu. It takes around 1 hour from Kokura to Beppu.

If you arrive at Fukuoka international airport, you can also travel from Fukuoka to Beppu by JR train or express bus. In both cases, it takes about 2 hours from Fukuoka international airport to Beppu.

You can walk from JR Beppu station to B-con Plaza in about 15 minutes. There are also route buses, Routes No.3 and 8.



VISA

You are advised to inquire about visa regulations at your travel agency or at the Japanese Embassy or Consulate in your country. If you need an invitation letter for getting a visa to Japan, don't hesitate to contact the secretariat of KAGI21.

LANGUAGE

The official language of the conference is English.

REGISTRATION FEE

¥5,000

Payment should be completed at the registration desk on the opening date.



SCHEDULE

Date Time	AM	PM	EVENING
31 OCT (SUN)		Public Lectures	
1 NOV (MON)	Registration Poster Setting	Opening and General Session Poster Presentation	Welcome Party
2 NOV (TUE)	Oral Session 1 & 2	Oral Session 1 & 2	
3 NOV (WED)	Oral Session 1 & 2	General Session	
4 NOV (THU)	Post-Meeting Excursion		

GENERAL and ORAL SESSIONS

A general session will be held in the main conference room in the afternoon of November 1 and 3. Two oral sessions will be held parallel in separate rooms on November 2 and in the morning of November 3. One overhead projector, one 35mm slide projector, and one LCD projector for PC presentations are available in each room.

The detailed information of the timetable will be given by October 20.

Presenters should submit their abstracts to the KAGI21 secretariat by October 10. Please refer to the information on abstracts below and the sample form in the appendix of this leaflet.

POSTER SESSION

The posters will be displayed in the conference room from the afternoon of November 1 to the evening of November 3. The space available for each poster will be 1.8m high and 0.9m wide. Please have your name and title at the top of your poster. Presenters should complete their own posters by noon of November 1 and have a short (a few minutes) presentation about your poster after the general session on November 1.

Poster presenters also should submit their abstracts to the KAGI21 secretariat by October 10. Please refer to the information on abstracts below and the sample form in the appendix of this leaflet.

ABSTRACTS

Submission : Authors are invited to submit abstracts for Oral or Poster Presentation by airmail or email as an attached file (MS-WORD or plain text data) to the KAGI21 secretariat.

Deadline : Deadline for submission of papers is October 10, 2004. Papers received after the deadline will not be printed in the proceedings volume.

Language : English

Paper Size : A4 size (210×270mm)

Length : The length must be 2 pages in print at maximum.

Instructions : Please refer to the appendix of this circular.





SOCIAL EVENTS

1. WELCOME PARTY

Date and Time : November 1, 2004 (MON.) 18:30-
 Place : KKR Beppu Suizan-so (15minutes from B-con Plaza on foot)
 Dress : informal
 Fee : Included in the registration fee



2. EXCURSION

Date and Time : November 4, 2004 (THU.) 8:00-17:00
 Dress : casual clothes and walking shoes
 Fee : ¥2,000 (for lunch box and soft drink)

Limit of participants in excursion is 30. If you would like to participate in this excursion, please check the “Excursion Participation” box in the registration form at the end of this leaflet.

This bus tour will visit geothermal and volcanic fields in Beppu and Mt. Aso to see some unique hot springs, geothermal power plants and etc.

ACCOMODATION

We list a few hotels near B-con Plaza below. You can confirm the locations of these hotels in the map on page2. Please make your own reservation.

There are also many other Japanese style hotels (called “Ryokan”) in Beppu city, which you may wish to enjoy. In that case, you can contact the foreign tourist information office (Tel: +81-977-23-1119, Email: ftio@ctb.ne.jp)



Name	Rate	Address	Access	Contact
Hotel Kamenoi (http://www.kamenoi.com)	Single ¥5,800 Twin ¥9,800 (Bed Room, room charge only)	5-17, Chuo-cho, Beppu-city	About 5 minutes from JR Beppu station on foot	Tel: +81-977-22-3301 Fax: +81-977-21-1232
Nishitetsu Resort Inn Beppu (http://www.n-inn.jp/info/beppu/index.html)	Single ¥5,500 Twin ¥10,000 (Bed room, no charge on light breakfast)	2-10-4, Kitahama, Beppu-city	About 5 minutes from JR Beppu station on foot	Tel: +81-977-26-5151 Fax: +81-977-26-5157
Kamenoi Inn Beppu (http://www.kamenoihotel.co.jp/inn/beppu/)	Single ¥4,800 Twin ¥9,000 (Bed Room, room charge only)	10 Hamamachi, Beppu-city	About 15-20 minutes from JR Beppu station on foot	Tel: +81-977-22-3001 Fax: +81-977-22-3310



PROGRAM (Preliminary)

October 31 (Sun.) 15:00– 17:00

Public Lectures

Lecture 1

Fujio Masuda (Kyoto University): “Climates throughout geologic time” (in Japanese)

Lecture 2

Hideji Kida (Kyoto University): “From numerical weather predictions to climate projections” (in Japanese)

November 1 (Mon.) AM

Registration

November 1 (Mon.) PM

Opening Address

Shigeo Yoden (Kyoto University)



General Session “The Active Geosphere in Convergent Region”

Invited Lecture 1: John Eichelberger (University of Alaska) : “Volcanoes: Windows into Active Geosphere”

Invited Lecture 2: Marvin Geller (State University of New York) : “Unraveling Solar, Volcanic, and Anthropogenic Influences on Stratospheric Ozone ”

Poster Presentation

November 1 (Mon.) 18:30 ~

Welcome Party

At KKR Suizan-so (15minutes from B-con Plaza on foot)

November 2 (Mon.) - 3 (Tue.) AM

Session 1 “Impacts on the Atmosphere and Geological Records”

Invited Lecture 3: Matthew H. Hitchman (University of Wisconsin—Madison) : “Volcanic Aerosols and the General Circulation of the Stratosphere”

Toru Nozawa (National Institute for Environmental Studies) : “Climate change simulations of the 20th century with a coupled ocean-atmosphere GCM : Impact of volcanic forcing on the surface air temperature. ”

Masayuki Takigawa (Frontier Research Center for Global Change) : “Simulation of stratospheric sulfur aerosol on climate (Frontier research center for global change)”

Masanori Niwano (Kyoto University): Variations of mean meridional circulation in the tropical lower stratosphere.

Masao Mikami (Meteorological Research Institute) : “Mineral dust loading to the atmosphere and its impact on the climate”

R. Kazaoka and H. Kida (Kyoto University) : Seasonal features of air parcel’s transport arriving at the Japan Area.



Tetsuya Takemi (Tokyo Institute of Technology) : Numerical simulations of convectively-driven duststorms in severe weather.
..... and more

Session 2 “Water and material circulation in convergent region”

- Invited Lecture 4: Professor Marco Scambelluri (Uni. Di. Genoba) : “The fate of fluids in subducting slabs: insights from serpentinite systems”
- Klaus Regenauer-Lieb (CSIRO) : “Initiation and evolution of subduction zones: role of water”
- Tetsuzo Seno (University of Tokyo) : “Regional variation of serpentinization of the wedge mantle: implications for collision - subduction zone tectonics”
- Junyong Chen (State Bureau of Surveying & Mapping) : “On crustal movement in Mt. Everest and its surrounding area”
- Sri Widiyantoro (Institut Teknologi Bandung): “Seismicity and structure of the Sumatora-Java-Bali subduction zone”
- Yon Lai (Peking University): “The characteristics of noble gases in mantle-derived xenoliths, its implication to crust-mantle structure, NE China”
- T. Kagiya (University of Tokyo) : “Water saturated layer beneath volcano and its implications to volcanic activity”
- and more

November 3 (Wed.) PM

General Session

- Invited Lecture 5: Bruce Hobbs (Australia Government): “Thermodynamics of Shear Zone Development in Coupled Thermal-Fluid-Mechanical Systems”
- Invited Lecture 6: Chan-Hwa Chen (Academia Sinica, Taiwan): “Temporal and Spatial Evolution of Arc Magmas along the Philippine Sea Plate Subduction Zone”
- Summary of parallel sessions and discussion

November 4 (Thu.)

Excursion

See “SOCIAL EVENTS” on Page 4

SECRETARIAT

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 Email: kagi-sympo@kugi.kyoto-u.ac.jp



APPENDIX

1. Final Registration Form
2. Instructions of abstracts