

# Announcement of the 2009 Spring Meeting

## I. Meeting Information

### 1. Date

May 28 (Thursday) – 31 (Sunday), 2009

### 2. Venue

Tsukuba International Congress Center

2-20-3 Takezono

Tsukuba, Ibaraki 305-0032, Japan

<http://www.epochal.or.jp/eng/index.html>

### 3. Presentations

Presentations can be made in either oral or poster format. For presentation details, please refer to “V. Guidelines for Presentations.”

### 4. Meeting schedule

The following is the scheduled program for the meeting:

Day 1 (May 28)

Morning: oral and poster presentations

Afternoon: special topic sessions

Day 2 (May 29)

Morning: oral and poster presentations

Afternoon: general assembly, commemorative lectures by award recipients, and banquet

Day 3 (May 30)

Morning: oral and poster presentations

Afternoon: symposium

Day 4 (May 31)

Morning: oral and poster presentations

Afternoon: public lecture and special topic sessions

### 5. Symposium

The symposium is scheduled to take place on the afternoon of Day 3 (May 30). The theme of the symposium is “Further coordination between understanding of the

scientific basis and vulnerability assessment on global warming”

## **6. Banquet**

The banquet will take place at the Congress Center in the evening of Day 2 (May 29).

## **7. Meeting website**

The meeting website (<http://msj.visitors.jp/>) in Japanese has been launched to accept applications and to disseminate information about the meeting, as well as any update to the program. Registration procedures can also be found at the website.

## **II. How to Register**

### **1. Registration method for presenters**

As a general rule, registration and abstract submission can only be made on-line. However, if this is not possible for some reason, registration by mail will be acceptable.

Please note that your registration and registration fee payment have to be completed before you are eligible to give your presentation(s).

#### **1.1 On-line registration**

- Deadline: 3 pm (Japan Standard Time) on Tuesday, February 17, 2009.
- Refer to the meeting website and follow the instructions on the website.
- Enter your personal information and login ID at the meeting website. After you have done this, a password will be issued. (Please note that the password used in previous meetings is no longer valid. We appreciate your understanding and apologize for the inconvenience, but please re-enter your personal information and ID to obtain a new password.) With the ID and password, log on to the system to register for the meeting, apply for a presentation, submit your abstract, and pay meeting fees.
- Presenters are requested to register their own personal information. Presenters are not allowed to submit an application for presentation with a name and affiliation different from those used in registering their personal information.
- Meeting registration and fee payment (credit card payment) must be completed prior to the submission of your application for a presentation. If your meeting registration and fee payment are incomplete, we cannot accept your presentation

application.

- For on-line payment, we can accept credit card payment even if the cardholder's name is different from the name registered in your personal information.
- Submit your abstract on the meeting website. We can only accept the abstract in PDF format (maximum allowable size: 1MB).
- Until the presentation application deadline (Tuesday, February 17), you can modify at the website any information you have already submitted, such as your registration information and abstract. Please note, however, that you cannot cancel your presentation application.

### **1.2 Mail-in registration (Inside Japan only. This form of registration is accepted only under extreme unavoidable circumstances.)**

- Deadline: No later than Tuesday, February 10, 2009.  
(Please note that the mail-in deadline is one week earlier than the on-line deadline.)
- Send the following three items to "Head Office of the Annual Meetings Oversight Committee" (see below for the address).
  1. Abstract.
  2. Presenter's name (both in Japanese characters, if applicable, and roman alphabet), membership number, presentation type (oral / poster), contact information (address, phone number, and email address), the presentation title, main and sub keywords, and required audio-visual equipment for the presentation (any format is acceptable).
  3. Payment receipt for postal money transfer (refer to the next section).

Mailing address:  
Head Office of the Annual Meetings Oversight Committee of the Meteorological Society of Japan  
c/o Forecast Research Department  
Meteorological Research Institute  
1-1 Nagamine  
Tsukuba, Ibaraki 305-0052, Japan

(Please write "Presentation Application" in red letters on the front of the envelope.)
- Prior to submitting your presentation application, please send your payment for the meeting fees by postal money transfer with the following information:
  - Account number: 00130-3-5958Name on the account: 日本気象学会 (This must be written in Japanese.)

- In the “space for correspondence”, provide the following information:
    1. “Registration application for the 2009 spring meeting.”
    2. Membership number (if not a member, please indicate “non-member.”)
    3. Participation classification: “Presenter A” or “Presenter B” (see Section 3.1)
    4. Amount for the meeting registration fee
    5. Amount for the banquet fee
    6. Total amount
  - In the section “address and name of the payer,” please make sure to provide your address, name, and phone number.
  - The presenter is responsible for the processing fee for the postal money transfer.
- Thank you for your understanding and cooperation.

### **1.3 Presentation cancellation policy**

- After your presentation application has been submitted, you cannot withdraw your presentation. The meeting and banquet fees cannot be refunded even if you are unable to give your presentation or attend the meeting due to unavoidable circumstances.
- In case the presenter cannot give his/her presentation but allows for a substitute presenter, please contact the Annual Meetings Oversight Committee (kouenkikaku2009s@mri-jma.go.jp ).

### **2. Registration procedure for non-presenters (attendance only)**

Registration and other fees can be made using one of the following methods below. In order to expedite the process, we request pre-registration online via the meeting website. Exception will be allowed only under extreme unavoidable circumstances.

#### **2.1 On-Line registration**

Register online at the meeting website and complete your registration payment by Tuesday, April 7, 2009 (credit card payment only).

#### **2.2 Mail-In registration (Inside Japan only. This form of registration is accepted only under extreme unavoidable circumstances.)**

- Registration fee needs to be made by postal money transfer by Tuesday, March 31, 2009.
  - Account number: 00130-3-5958
  - Name on the account: 日本気象学会 (This must be written in Japanese.)

- In the “space for correspondence”, provide the following information:
  1. “Registration application for the 2009 spring meeting.”
  2. Participation Classification: “Attendance only”
  3. Amount for the meeting registration fee
  4. Amount for the banquet fee
  5. Total amount
- In the section “address and name of the payer,” please make sure to provide your address, name, and phone number.
- The meeting attendee is responsible for the processing fee for the postal money transfer. Thank you for your understanding and cooperation.

### 2.3 On-Site registration

One can also register on-site during the days of the meeting. However, please note that the on-site registration fee is at a higher rate than the pre-registration fee.

## III. Registration and Banquet Fees

### 1. Meeting registration fee

- Refer to the following table to identify your meeting registration fee (sales tax included).

Meeting registration fee		
Classification	Advance Payment	On-Site Payment
Presenter A	8,000 yen	-
Presenter B	5,000 yen	-
Attendee	3,000 yen	4,000 yen

- Presenter Classification  
 Presenter A: presenters who are affiliated with research institutes and universities (except for undergraduate and graduate students).
- Presenter B: presenters who do not meet the criteria for Presenter A.

### 2. Banquet fee

- Banquet fees (sales tax included) are listed in the table below. The fees are made affordable to encourage many to attend and to provide an opportunity for interactions among the participant.

Banquet Fee		
Classification	Advance Payment	On-Site Payment
Non-Students	3,000 yen	4,000 yen
Students	2,000 yen	3,000 yen

- Payment for the banquet can be made in advance on-line or by postal money order, or on-site during the meeting at a higher rate.

### 3. Miscellaneous information

- Registration and banquet fees are non-refundable.
- The amount of registration and banquet fees depends on your classification (as identified in the table above) at the time of registration. Fee adjustments cannot be made for any subsequent change in your classification (i.e., no additional billing or refund on the difference in fees due to a change in your home institution and/or affiliation.)
- We will issue a receipt for your meeting registration and/or banquet fee payments at the reception desk during the meeting.

## IV. How to Prepare Your Abstract

### 1. Abstract size and number of pages

One A4 page per presentation.

### 2. Preparation instructions

If you submit your abstract online, we accept only the PDF file format (maximum allowable size: 1 MB). If you mail in your abstract, all the information (text, figures, and tables) must fit on a sheet of A4 page size.

### 3. Printing

Proof of your abstract will be made in black and white with the direct plate making process. In this process, the abstract will be reduced to B5 size. In the course of your abstract preparation, please be aware that the quality of your figures (such as photos and graphs) may be degraded by the printing procedure. Also please be aware that the clarity of certain images, particularly color photos and figures, can be severely

degraded.

#### 4. Abstract format (refer to the figure)

Your text and additional material such as figures and photos need to fit in an area of 250 mm (vertical) x 170 mm (horizontal). The top margin should be 20 mm. Give the title of your presentation in the first line. Underneath the title, list the author names and their affiliations. Place the abstract content below the author information. In the case of multiple authorship, place an asterisk (\*) to the left of the presenter's name. The spacing between the title and the body text should be 20 – 25 mm. We strongly suggest that you use a two-column format (left column → right column) for the text.

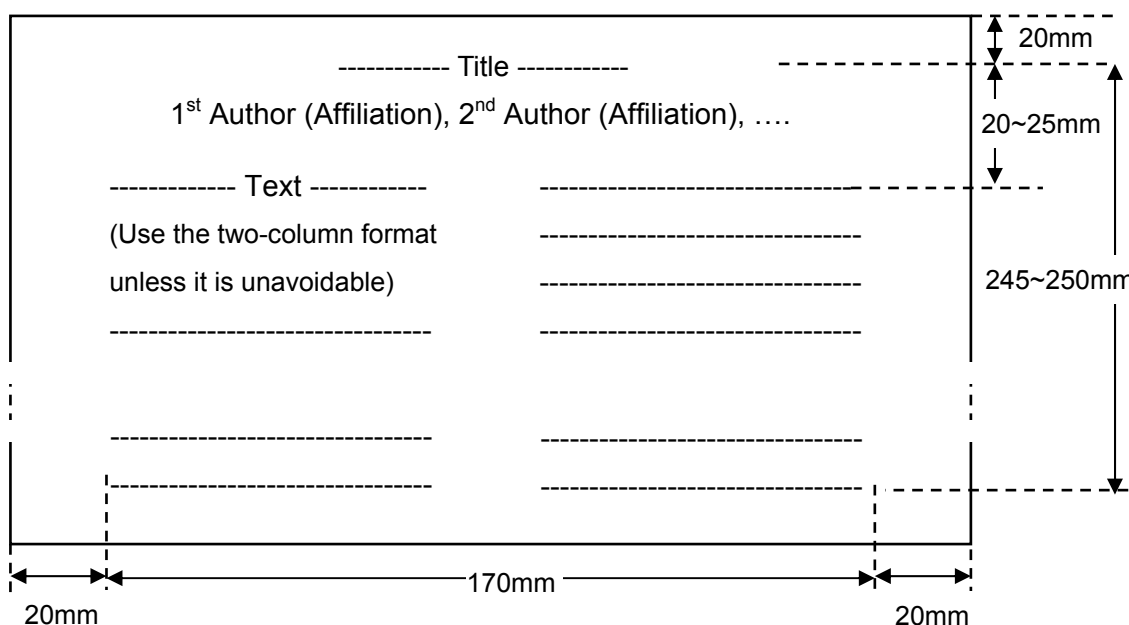


Figure: Guidelines for preparing abstract on an A4 sheet

#### 5. Copyright

All the information (such as figures, tables, and text) that appear in the meeting proceedings are the copyright of the Meteorological Society of Japan.

### V. Guidelines for Presentations

#### 1. Presentation types

Your presentation can be given either as an oral (including special topic sessions) or as a poster presentation.

## **2. Limit on the number of presentations**

Each presenter is allowed to give up to two presentations. However, no two presentations can be given on a very similar topic. If a problem arises in regards to this restriction, the Annual Meetings Oversight Committee will take appropriate action.

## **3. Selection of the presentation method**

You can select the presentation method (oral / poster) at the time of your presentation. However, please note that we cannot always accommodate your request due to various logistical issues. If the method of presentation is not identified at the time of application, the Annual Meetings Oversight Committee, at its discretion, will assign a presentation method.

## **4. General information for oral presentations**

Same amount of time is allocated for each oral presentation, and will be indicated in the meeting program. The time allocation is determined by the Annual Meetings Oversight Committee, and is based on the total amount of time allocated to oral presentations divided by the number of presentations.

## **5. General information for special topic sessions**

- Special topic sessions are scheduled to take place in the afternoons of the first (Thursday, May 28) and fourth (Sunday, May 31) days of the meeting.
- The length of each presentation in a special topic session will be determined by the session conveners and will be indicated in the meeting program.
- The application deadline for a presentation in a special topic session is the same as that for a presentation in a general session (Tuesday, February 17 for on-line applications; Tuesday, February 10 for mail-in applications).
- Special topic session conveners will review the abstract submitted and will determine if the presentation can be given in one of the special topic sessions.
- If a submitted presentation is deemed not suitable for any of the special topic sessions, then the presentation will be considered for inclusion in a general session.
- For more information on the individual special topic sessions, please refer to “VI. Topics and Purposes of Special Topic Sessions.”

## **6. General information for poster presentations**



- Time allocated for poster presentations is approximately one hour. No other events will take place during the poster presentation sessions.
- Presenters are responsible for posting and removing their posters. For posting, we suggest the use of thumbtacks. (The use of adhesive tape is permitted as long as it can be completely removed. However, you may have difficulty making your poster adhere to the poster board because of its cloth-like surface.) Presenters are also responsible for bringing their own thumbtacks and/or tape. No electric power will be available for individual poster presentations.
- Space allocated for each poster is approximately 210 cm (vertical) x 90 cm (horizontal). A poster does not necessarily have to consist of one sheet. It can be prepared on a number of small sheets and arranged on the poster board on the day of the presentation.

#### **7. Use of equipment for your presentation**

- For oral presentations (including ones in special topic sessions), a PC projector and/or an overhead projector can be used. The use of any other visual equipment is not allowed.
- If you wish to use an overhead projector, please inform us of your intention at the time of your presentation application. If no indication is made, we will assume that your presentation is made using a PC projector.
- If you are planning to use a PC projector for your presentation, please note the following:
  - The presenter must bring his/her own PC. Only a projector and a connection cable will be provided in the presentation room.
  - The connection from your PC to the PC projector needs to be checked during the recess before your presentation session. If you are uncertain about the connection, please inform a staff member at that time.
  - In cases of equipment failure and/or connection problem between your PC and the PC projector, your presentation may be deferred to a later time in the session at the discretion of the chairperson. It is your responsibility to have a backup file on a portable medium for any unforeseen contingencies.
- If you wish to use an audio-visual equipment in the poster presentation hall, please let us know which equipment and how it is to be used at the time of your presentation application. We will attempt to accommodate your request within the logistical limitations of the presentation hall.
- If you apply for a poster presentation, it is possible that it may be changed to an oral

presentation for reasons associated with organization of the program. To accommodate such a possibility, we ask that you indicate, at the time of presentation application, which equipment (overhead or PC projector) you would use for your oral presentation.

#### **8. Other information**

- The Annual Meetings Oversight Committee will consider the content of your abstract and may reject your presentation for reasons including, but not limited to, the following: a) the content is not related to meteorology, b) the content is irrational or illogical, or c) the content contains parts that defame others.
- The meeting program will appear in the April issue of *Tenki* and on the meeting website.

### **VI. Themes and Objectives of Special Topic Sessions**

#### **1. Large-scale atmosphere-biosphere interactions and climate change**

Land-surface exchange of heat, water, and gases plays an important role in the climate system, and then becomes an essential component for recent earth-system models. However, large-scale evaluation is still difficult, because of complexity and heterogeneity of ecosystems, resulting in an uncertainty in model prediction. Integration of satellite monitoring, field observation (e.g., flux measurement), and modeling is necessary for understanding large-scale processes. This thematic session invites presentations on land-surface processes such as energy/water and gas exchanges, from viewpoints of both observation and modeling. In general discussion, we'll exchange ideas concerning the future direction and collaboration possibility.

Conveners:

Akihiko Ito (National Institute for Environmental Studies)

Kazuo Mabuchi (Meteorological Research Institute)

#### **2. Study on the global system of cloud and precipitation - State of the art and future**

The 4th IPCC report pointed out the large uncertainties in the radiative forcing by

clouds and aerosols, and in the impact to the change of precipitation systems due to global warming. To address these issues, the following satellite observations have been carried out, such as long term tropical rainfall measurement by the Tropical Rainfall Measuring Mission (TRMM) satellite, global water cycle observation by Advanced Microwave Scanning Radiometers (AMSR), and clouds/aerosols observation by Cloudsat. Various scientific results have been obtained from these observations.

Spatial and temporal resolutions of cloud resolving models have been much improved in recent years. This has enabled us to compare model results and satellite data directly and to assimilate satellite data into the models. At the same time, satellite data of high resolution are required to validate model results. Accumulated satellite data have been steadily increased, and now foundation has been established for the comprehensive and area-crossing studies with combined use of satellite data and the global cloud resolving models.

We planned satellite launches of Global Change Observation Mission (GCOM), Earth Clouds, Aerosols and Radiation Explorer (EarthCARE), and Global Precipitation Measurement (GPM) around 2013. Satellite observation of these areas is expected to continue beyond.

Through this special session, we will review the current achievements and the future prospects in this research area. Furthermore, we would like to summarize a proposal for satellite programs in next generation.

Conveners:

Riko Oki (Japan Aerospace Exploration Agency)

Kazumasa Aonashi (Meteorological Research Institute)

Teruyuki Nakajima (Center for Climate System Research, The University of Tokyo)

Yasushi Fujiyoshi (Institute of Low Temperature Science, Hokkaido University)

Masaki Sato (Center for Climate System Research, The University of Tokyo)

Toshio Iguchi (National Institute of Information and Communications Technology)

### **3. GPS meteorology and satellite data application**

Seven years have passed since the last special session of 'GPS Meteorology' was held at 2002 spring meeting of the Meteorological Society of Japan. The GPS meteorology has shifted into new stages.

In the field of the ground-based GPS, owing to improvements of real-time analysis procedures, GPS derived remote sensing data is planned to assimilate into operational

numerical weather prediction (NWP) model at Japan Meteorological Agency. Also, in the fields of space-borne GPS, several successful missions (e.g. CHAMP, COSMIC, MetOp etc) are ongoing. We are in the period when homogeneously distributed several thousands of atmospheric profiles are available for one day. These data contribute global database of water vapor and NWP.

It is good time to have the special session titles as 'GPS Meteorology and satellite data application'. We invite Dr. Kuo (National Center for Atmospheric Research) and Dr. Wickert (German Research Center for Geoscience: GFZ) as keynote speakers to lecture the recent progresses of the GPS Meteorology in the world. Japanese researchers are expected to present their newest research results. Through the exchange of information and objects, foresight of future GPS meteorology will be shared among the participants.

The presentation in English is desired in this session.

Conveners:

Hiromu Seko (Meteorological Research Institute)

Yoshinori Shoji (Meteorological Research Institute)

Ryuichi Ichikawa (National Institute of Information and Communications Technology)

#### **4. Atmospheric observation by commercial airliner and their data use**

Commercial airliner can provide a powerful observational platform for various atmospheric chemistry researches, because of a low-cost operation, high-frequency measurement and worldwide coverage, although it requires sufficient safety for installing measurement instrumentations.

In 2005, a new research project started in-situ high-resolution measurements of atmospheric CO<sub>2</sub> using five commercial airliners of Japan Airlines (JAL). A large number of high-precision CO<sub>2</sub> data have been collecting vertically and horizontally in the world by JAL regular flights. These observation data can bring a great progress for understanding global carbon cycle as well as validating the satellite measurements and 3-D model simulations. Aircraft CO<sub>2</sub> data are also useful to advance our knowledge for the atmospheric dynamics by using CO<sub>2</sub> as a transport tracer.

In this session, we invite topics for observation results, measurement technique, data analyses and model studies by using aircraft data. We also expect to make a discussion about the new collaborative sciences to take advantage of aircraft observation.

Conveners:

Toshinobu Machida (National Institute for Environmental Studies)

Takakiyo Nakazawa (Graduate School of Science, Tohoku University)

Hidekazu Matsueda (Meteorological Research Institute)

Yousuke Sawa (Meteorological Research Institute)

## **5. Local heavy rains in the summer of 2008**

During the summer season of 2008, local intense precipitations frequently occurred and caused several damages by floods and landslides in various parts of Japan. Heavy rains infested at Kobe in July and Tokyo and Okazaki in August claimed human lives, and became a social problem being reported and described as 'guerilla rain' by the mass media. Local heavy rains are generally regarded as unpredictable, however, in the current technological level, potential forecasts with the numerical weather prediction, nowcasting with the remote-sensing and simulations of deep convection with the cloud resolving model are becoming possible up to a point. On the other hand, the quantitative forecast of heavy precipitation leading to disaster prevention is still a significant issue in mesoscale meteorology. In this session, we invite several topics relating to the local heavy rain such as the observation, analysis, nowcasting, numerical model, data assimilation, ensemble prediction and disaster measures. With confirming the latest achievements, we would like to discuss further approaches and collaborations of researchers toward the future realization of the local heavy rain forecast.

Conveners:

Kazuo Saito (Meteorological Research Institute)

Masahito Ishihara (Meteorological Research Institute)

Koyuru Iwanami (National Research Institute for Earth Science and Disaster Prevention)

Takuya Kawabata (Meteorological Research Institute)

## **VII. Meeting Presentations by Non-Members**

As a general rule, those who are not members of the Meteorological Society of Japan (MSJ) are not allowed to give presentations at MSJ meetings. However, we recognize that some foreign researchers on short stays or researchers from other

academic disciplines may wish to give presentations at MSJ meetings. For this reason, the Annual Meetings Oversight Committee allows non-members to give presentations exclusively in the following cases:

1. A non-member is allowed to give a presentation if it is co-authored by an MSJ member. (Make sure that the name and affiliation of the co-author are indicated on the abstract.)
2. A presentation by a non-member in a special topic session is allowed at the discretion of the session convener.

The Annual Meetings Oversight Committee urges those who intend to present at MSJ meetings on an ongoing basis to become MSJ members.

### **VIII. Support for Workshops**

The Annual Meetings Oversight Committee will support, as best as it can, workshops that are independently conducted by MSJ members immediately before, during, and immediately after the meeting. To qualify for this support, the workshop must be open to all MSJ members. If you wish to receive support for your workshop, please send in your application to the Annual Meetings Oversight Committee (E-mail: kouenkikaku2009s@mri-jma.go.jp) with the following information:

- Required information:
1. Name and topic of the workshop
  2. Contact information for the representative
  3. Requested time, date, and venue
  4. Expected number of participants
  5. Requested support (e.g., facilities, equipment)

Deadline: Tuesday, February 17, 2009

#### **On the Use of the congress center**

The meeting executive committee has reserved a middle-sized meeting room, Room 406 (maximum occupancy: 168), in the congress center (Tsukuba International Congress Center) for workshop use. The room is available between 18:00 and 21:00 on May 28, 30 and 31. Please contact the meeting executive committee through the Annual Meetings Oversight Committee for the use of the room.

In principle, with the purpose of the workshop taken into consideration, permission for use of the room will be granted to each workshop in the order in which the applications are received. At the time of your application for a workshop, if the number of requests for the room had already exceeded the number of available sessions, you will be charged for the use of another room. In this case, the meeting executive committee will refer you to the contact person at the Tsukuba International Congress Center. The fee for use of the room will be about 50,000 to 60,000 yen depending on the equipment to be used.

### **IX. Child-Care Support during the Meeting**

The meeting executive committee suggests the following two child care facilities for your use during the meeting:

1. Child Club Pensée  
Room 102 Grand Palace NS-1  
1-21-3, Ninomiya  
Tsukuba, Ibaraki 305-0051  
TEL: 029-861-1500, FAX: 029-861-1700  
URL: <http://www.e-tsukuba.jp/childclub>
2. Child Land Tsukuba  
Third floor, Hirata Building  
3-2-11, Ninomiya  
Tsukuba, Ibaraki 305-0051  
TEL: 0120-38-8373, FAX: 029-849-2020  
URL: <http://www.e-tsukuba.jp/child/>

The fee is 800 – 1,200 yen / hour per child, depending on the available facility and the age of the child. The meeting executive committee is currently considering subsidizing part of the cost. If you wish to receive a child care support including the use of the above-mentioned or other child care facilities, please contact Sachiko Adachi either by email or phone (see below). The deadline for inquiries is Friday, May 8, 2009. We will also do our best to respond to inquiries that are received after the deadline.

Contact Name: Sachiko Adachi (Graduate School of Life and Environmental Sciences, University of Tsukuba)

Email: [sachihoa@geoenv.tsukuba.ac.jp](mailto:sachihoa@geoenv.tsukuba.ac.jp)

TEL: 029-853-5692