



IGS

INTERNATIONAL GLACIOLOGICAL SOCIETY

INTERNATIONAL SYMPOSIUM
ON SNOW, ICE AND HUMANITY
IN A CHANGING CLIMATE

CO-SPONSORED BY:
Japanese Society
of Snow and Ice

SECOND CIRCULAR
December 2009



Sapporo, Japan
21–25 June 2010

<http://www.lowtem.hokudai.ac.jp/IGS-Sapporo/>



The International Glaciological Society will hold an International Symposium on Snow, Ice and Humanity in a Changing Climate in 2010. The symposium will be held in Sapporo, Japan, 21–25 June.

THEME

Snow and ice in the natural environment are facing drastic changes under the influence of rapidly changing global and regional climates. Since snow and ice play crucial roles in cold regions, such changes have substantial impacts on human societies and activities. For example, the amount of snowfall and the duration of seasonal snow cover have been affected in many places, with consequences for the water resources and avalanche risks. Thawing permafrost causes destruction of infrastructure, and formation of glacier-dammed lakes poses potential hazards in mountainous regions. On the other hand, reduction of the summer sea ice extent in the Arctic creates new possibilities to use open water as a sea route for commercial vessels.

This symposium focuses on recent changes in the cryospheric components (snow, glaciers, ice sheets, permafrost, sea ice, lake ice, river ice) with respect to their influences on humanity. We invite contributions related to this subject in a broad sense, including ground-based observations, remote sensing, laboratory experiments, numerical modelling, data compilations and analyses, risk management and social impact assessment. Topics are not restricted to present-day issues, but also open for paleo-environmental records as they are important for understanding the present and predicting the future. The conference will bring together researchers engaged in different fields of cryospheric science in order to discuss interactions of snow and ice with humanity in the past, present and future.





TOPICS

The suggested topics include:

1. Land ice and snow, including:
 - Snow cover, Glaciers, Ice sheets, Permafrost, Snow and glacier melt
2. Ice and snow in the hydrosphere, including:
 - Sea ice, Ice shelves, Icebergs, River and lake ice
3. Hazards and social problems related to snow and ice, including:
 - Snow avalanches, Glacier-dammed lake outbursts, Permafrost thawing, Snow and ice accretion, Blowing snow, Snow removal
4. Use of snow and ice, including:
 - Snow air conditioning, Tourism, Teaching materials, Recreation
5. Paleoclimate and paleoenvironment, including:
 - Ice core records, Past glaciation, Glacilacustrine and glacimarine deposits, Subglacial and proglacial sediment-landform record
6. Prediction of changes in the cryosphere, including:
 - Arctic sea ice, Area and property of snow cover, Glacier advance and retreat, Sea-level change

SESSIONS

Oral sessions are scheduled on four days from Monday to Friday (except for Wednesday, which is allocated for an excursion). Each oral presentation should last 20 minutes, including 5 minutes for questions and discussion. Poster sessions are planned on Tuesday and Thursday afternoons. The room for the poster sessions will be open from Monday to Thursday and posters may be displayed for approximately two days. Rooms are available during the symposium period for participants who wish to arrange small meetings. Please contact the local organizers (igs@lowtem.hokudai.ac.jp) in advance to book a room for your meeting.





THEMATIC PUBLICATION

The Council of the IGS has decided to dedicate an issue of the *Annals of Glaciology* to the theme 'Snow, Ice and Humanity in a Changing Climate'. A first call for papers will be made in January 2010. Paper submission is open to anyone provided the topic of the paper is consistent with the theme of the *Annals* issue. Deadline for manuscript submission is 10 May 2010. Papers should be submitted through the IGS system and will be refereed according to the Society's normal standards before a publication decision is made. Every effort will be made to complete the reviews before the symposium so the associate editor and authors can discuss revisions during the symposium week. When submitting abstracts to the symposium, you will be asked to indicate whether you intend to submit a paper for the *Annals* issue, so that reviewers may be sought in advance. Papers submitted for consideration in the *Annals* issue must comply with the normal submission criteria of IGS publications.

ABSTRACTS

Participants who would like to contribute to the Symposium should submit an abstract of their proposed presentation. This abstract must contain sufficient details, scientific merit and relevance to the symposium theme to be evaluated by the Scientific Steering Committee. The abstract should be less than 400 words with no references or illustrations. Please submit your abstract and relevant information online from the IGS or conference website. Authors may indicate a preference for an oral or poster presentation, although the number of oral presentations is limited by time. Those unable to submit their abstract online can send electronic files to the IGS office where a member of staff will upload them onto the website. **DEADLINE FOR SUBMISSION OF ABSTRACTS IS 5 MARCH 2010.** Each abstract will be assessed on its scientific quality and relevance to the symposium theme. Corresponding authors will be notified by 26 March 2010 regarding abstract acceptance. Please contact the IGS office if you do not receive the notification by this date. The accepted abstracts will be compiled into a booklet which will be provided to participants upon registration on 20 June 2010.

PARTICIPATION

Online registration through the IGS system is encouraged. A link to the site will be available on the IGS and conference websites once the registration is open. For those who wish to register by post or FAX, a registration form is attached to this circular. Registration and the accompanying payment are due on 23 April 2010. There is a surcharge of £50 for later registration. The participant's registration fee includes organization costs, a set of abstracts, the ice breaker, coffee breaks, mid-week excursion, the symposium dinner and an issue of the *Annals of Glaciology*.



REGISTRATION FEES

All fees are in Pounds Sterling, GBP

– Participant (IGS member):	£400
– Participant (not IGS member):	£479
– Student or retired IGS member:	£200
– Accompanying person (18+):	£200
– Accompanying person (12–17):	£160
– Late registration surcharge (after 23 April 2010):	£50

REGISTRATION BY MAIL

Though we strongly prefer registration through the website, it can also be done by filling in and returning the back page of this circular. If payment by credit card is not possible, contact the IGS office to arrange for a bank transfer. Payments made after 23 April 2010 must include the additional £50 late-registration fee. When completed, please send the form to Magnús Már Magnússon at the IGS address.

ACCOMPANYING PERSONS

The accompanying person's registration fee (£200 for 18 and over; £160 for ages 12 to 17; under 12 free) includes the icebreaker, the mid-week excursion, and the symposium dinner. Short excursions in and around Sapporo will be offered on request at additional cost. These include short trips to sightseeing spots in the city, day trip to the surrounding regions and experience of Japanese traditional culture (e.g. tea ceremony, dressing Kimono).

SOCIAL PROGRAMME

The icebreaker reception will be on the evening of 20 June (Sun) after registration at Faculty House 'Enreiso' in the university campus. The excursion will be organized on 23 June (Wed). There will be a one day excursion to the natural and cultural sights of Sapporo and its vicinity. Details will be updated on the conference website. The symposium dinner will be held on 24 June (Thu) evening at 'The Sapporo Beer Garden' located in a former factory of Sapporo Brewery. More information will be listed on the conference website.





VENUE

The symposium will be held at Hokkaido University in Sapporo. Sapporo is the capital city of Hokkaido, the northernmost main island of Japan, and is well known for its snowy winter, with a cumulative snowfall of more than 5 metres. There is no other city in the world with a population of nearly 2 million that accumulates this amount of snow. The university campus is located close to the heart of the city. The venue of the symposium is the University Conference Hall, 10 minutes walk from Sapporo's main railway station and within easy reach of the city centre. June is a wonderful season to visit the region. The city is filled with fresh green along with a feast of flowers and the climate is ideal for enjoying outdoor activities. Daily minimum and maximum temperatures in June are 12 and 21°C, respectively. Hokkaido escapes the rainy season, which lasts from June to July in the other regions of Japan. Further information on Sapporo is available at <http://www.welcome.city.sapporo.jp/english/>.

TRAVEL TO SAPPORO

Sapporo's main airport is New Chitose Airport, which is connected to the city centre by JR (Japan Railways Company) airport express train. The train runs about every 15 minutes, takes about 40 minutes and costs 1,040 yen (one way). JAL (Japan Air Lines), ANA (All Nippon Airways) and some other carriers operate 40–50 flights per day between Tokyo Haneda Airport and New Chitose Airport (the world's busiest air route!). Several flights from Japan's main international airports, Tokyo Narita, Kansai Osaka and Nagoya Central Japan, as well as other regional airports are available per day. International flights are also operated from Korea (Incheon Seoul and Pusan) and China (Shanghai, Beijing, Hong Kong and Dalian).

ACCOMMODATION

A number of hotels ranging in price from budget to higher-end are available within a walking distance of the symposium venue. A limited number of rooms are reserved at these hotels for the symposium period. Available accommodation as well as booking instructions will be provided on the conference website. To take advantage of the block bookings, please reserve your rooms online by 31 May. Please contact the travel agency of the conference (JTB: Japan Travel Bureau) at IGS-Sapporo@jtb.jp for inquiries on the accommodation booking and any other domestic travel information.

SYMPOSIUM ORGANIZATION

Magnús Már Magnússon (International Glaciological Society)

SCIENTIFIC STEERING AND EDITORIAL COMMITTEE

Perry Bartelt (Co-Chief Scientific Editor), Douglas R. MacAyeal (Co-Chief Scientific Editor), Luca Egli, Ed Adams, Kalle Kronholm, Florence Naaim, Jo Jacka, Ralf Greve, Shuhei Takahashi



LOCAL ORGANIZING COMMITTEE

Atsushi Sato (Chairman), Osamu Abe, Kumiko Goto-Azuma, Yoshiyuki Ishii, Yuji Kodama, Sumito Matoba, Hiroki Matsushita, Kazuki Nakamura, Koichi Nishimura, Toshihiro Ozeki, Shin Sugiyama, Nozomu Takeuchi

CONTACTS FOR FURTHER INFORMATION

Further information may be obtained from:

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Web: <http://www.lowtem.hokudai.ac.jp/IGS-Sapporo/index.html>

IMPORTANT DATES

Abstract submission deadline:	5 March 2010
Notification of acceptance:	26 March 2010
Pre-registration deadline:	23 April 2010
Paper submission deadline:	10 May 2010
Deadline for refund:	14 May 2010
Registration and Icebreaker:	20 June 2010
Conference begins:	21 June 2010
Final revised papers deadline:	9 August 2010





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IN A CHANGING CLIMATE

Sapporo, Japan, 21–25 June 2010

REGISTRATION FORM

Register online at <http://www.igsoc.org/symposia/2010/sapporo/registration>

Family Name: _____

Given Name: _____

Address: _____

Tel: _____ E-mail: _____

Accompanied by:

Name: _____ Age (if under 18) _____

Name: _____ Age (if under 18) _____

Dietary and other requirements: _____

Registration fees (British Pounds)

– Participant (IGS member): £400

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– Student or retired IGS member: £200

– Accompanying person (18+): £200

– Accompanying person (12–17): £160

– Late registration surcharge (after 23 April 2010): £50

TOTAL REGISTRATION FEES £ _____

Payment of registration fee by Access/Eurocard/MasterCard or VISA/Delta

Card number: _____

Expiration (YY/MM): _____

CVV (last 3 numbers on signature strip): _____

Name of card holder as shown on card: _____

Signature: _____

