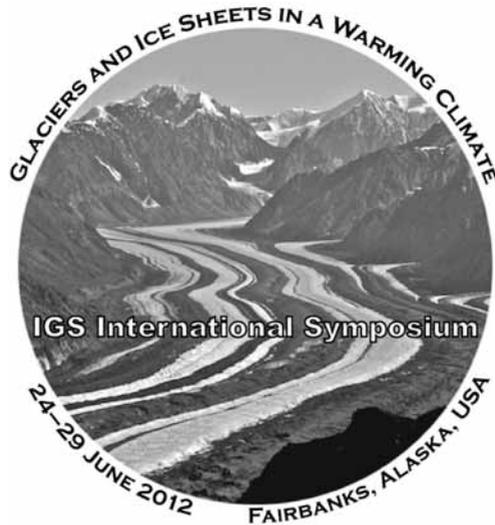




INTERNATIONAL GLACIOLOGICAL SOCIETY

International Symposium on Glaciers and Ice Sheets in a Warming Climate



University of Alaska Fairbanks
Fairbanks, Alaska, USA
24–29 June 2012

Co-sponsored by:

- ❄ University of Alaska Fairbanks (UAF), Vice Chancellor for Research
- ❄ University of Alaska, Office of the Vice President for Academic Affairs
& BP ConocoPhillips
- ❄ United States Geological Survey (USGS), Alaska Science Center
- ❄ University of Alaska Fairbanks (UAF), College of Natural Science
and Mathematics
- ❄ Arctic Research Consortium of the United States (ARCUS)
- ❄ Geophysical Institute, University of Alaska Fairbanks (UAF)

SECOND CIRCULAR
September 2011

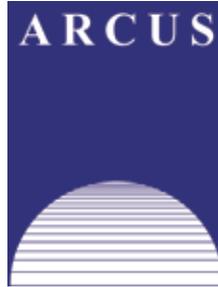
<http://www.igsoc.org/symposia/>
<http://glaciers.gi.alaska.edu/events/igs2012>



The International Glaciological Society will hold an International Symposium on 'Glaciers and Ice Sheets in a Warming Climate' in 2012. The symposium will be held in Fairbanks, Alaska, USA, from 24–29 June 2012.

THEME

Glaciers and ice sheets are making large contributions to rising sea level, and their mass losses are expected to accelerate in a warming climate. New technologies have broadened our ability to detect and monitor glacier and ice sheet changes, though large uncertainties about the current state of the cryosphere remain. Moreover, predictive models are at present unable to capture many key processes of glacier mass balance and dynamics, many of which are non-linear. How are glaciers and ice sheets responding to recent changes in climate, and what changes can we expect in the future? This meeting seeks to address these problems by bringing together experts in glacier, climate and ocean studies, using in-situ observations, remote sensing and modeling.



UNIVERSITY
of ALASKA
Many Traditions One Alaska





TOPICS

Topics include, but are not limited to:

1. Observations of glacier change, including mass and dynamic changes of mountain glaciers, ice caps, ice sheets, and ice shelves, glacier inventories, in-situ observations and remote sensing techniques.
2. Glacier mass balance – climate interaction, including glacier meteorology, surface energy exchange, snow accumulation processes, mass-balance indices and the relation between glacier mass balances and atmospheric indices.
3. Ice dynamics, focusing on observations, theoretical advances and modeling of the flow of ice including ice streams and surges.
4. Glacier–ocean interactions, including ice shelf and tidewater glacier dynamics, observations and modeling of calving.
5. Role of subglacial processes in glacier changes, including glacier hydrology, sedimentation and volcanic interactions.
6. Ice sheet modeling, including advances in the physical understanding of ice-sheet processes, incorporation of non-linear ice-sheet response to environmental forcing, and assimilation of remote sensing and ground observations into ice-sheet models.
7. Future projections, including coupling glacier models to global and regional climate models, downscaling methods, evaluation and intercomparison of models.
8. Impacts of glacier changes, including the contribution of glacier wastage on sea-level rise, water resources in different climate, glacier engineering, glacier hazards, glacier outburst floods, ocean circulation, terrestrial and marine biogeochemical cycles and ecosystems, as well as isostatic changes.
9. Proxies and modeling of past glacier changes, including indicators from ice cores and other archives that reveal glacier responses to climate change.





ABSTRACT AND PAPER PUBLICATION

Participants wishing to present a paper (either oral or poster) at the Symposium will be required to submit an abstract by 1 March 2012. A program and collection of submitted abstracts on a USB stick will be provided for all participants at the symposium. The Council of the International Glaciological Society has decided to publish a thematic issue of the *Annals of Glaciology* on topics consistent with the Symposium themes. Submissions to this issue will not be contingent on presentation at the Symposium, and material presented at the symposium is not necessarily affirmed as being suitable for consideration for this issue of the *Annals*. Participants are encouraged, however, to submit manuscripts for this *Annals* volume. The deadline for receiving *Annals* papers is 1 May 2012.

REGISTRATION FEES

All fees are in US Dollars, USD

– Participant (IGS member):	\$490
– Participant (not IGS member):	\$600
– Student or retired (IGS member):	\$230
– Student or retired (not IGS member):	\$290
– Accompanying person (18+):	\$220
– Accompanying person (12–17):	\$110
– Accompanying person (<12):	Free
– Late registration surcharge (after 25 March 2011):	\$80

The fees include the icebreaker, banquet, daily luncheons (Mon–Fri), daily morning/afternoon coffee/snacks, an evening BBQ and the mid-week excursion.

REGISTRATION BY MAIL: Though we strongly prefer registration through the website, it can however 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 2 April 2012 must include the additional \$80 late-registration fee. When completed, please send the form to the Secretary General at the IGS address.





ACCOMPANYING PERSONS: The accompanying person's registration fee (\$220 for 18 and over; \$110 for ages 12 to 17; under 12 free) includes the icebreaker, an evening BBQ, the mid-week excursion, and the symposium dinner. Short excursions and activities in and around Fairbanks will be offered on request at additional cost. These include short trips to sightseeing spots in the city and a day trip to the surrounding regions.

STUDENT/POSTDOC SUPPORT: Funding is available to partially support student and postdoc attendance at this symposium. Application details will be posted on the symposium homepage by October 2011 at the latest.

LOCATION: The meeting will be held on campus of the University of Alaska, Fairbanks. Fairbanks is located in the heart of Alaska and has a population of roughly 100,000. The end of June is characterized by little precipitation and average daily temperatures of roughly 20°C (68°F) but peaks up to 30°C (86°F) may occur. The surroundings offer plenty of scope for glaciological, geological and geographical excursions with the Alaska Range including Denali National Park only a 2 hour drive away.

ACCOMMODATION: Blocks of rooms have been held at the Alpine Lodge (\$149 per night for a single/double; 5 km from campus and 1 km from the airport) and in the dormitories on campus (single room \$59, double room \$73, and 2-bedroom apartment (4 persons) \$155 per night). We offer shuttle transport to campus from the conference hotel. Parking is available on campus for a fee (\$3 per day).

MID-WEEK ACTIVITIES: A half-day mid-week excursion will be organized to explore some of Fairbanks's natural and cultural surroundings. Options include permafrost features and the CRRL permafrost tunnel in Fox, hot springs and the Ice Museum at Chena Hot Springs, gold-panning at the Eldorado Gold Mine, a historic gold dredge in Chatanika, and a tour of UAF's rocket launching facility Poker Flat.





RECEPTION: There will be an icebreaker reception in the pub at the Wood's Center on campus on Sunday 24 June from 5–10 pm. You will also be able to pick up your registration package (after 4 pm). Come along to meet your fellow delegates, get orientated at the conference site and pick up your registration package.

BANQUET: The banquet will be held on Thursday evening on a riverboat cruise floating down the Chena river. Transport to the boat will be provided.

Information will be updated on the symposium website, <http://www.gi.alaska.edu/snowice/glaciers/> as it becomes available.

IMPORTANT DATES

Abstract submission deadline:	1 March 2012
Notification of acceptance:	15 March 2012
Pre-registration deadline:	2 April 2012
Paper submission deadline:	1 May 2012
Deadline for refund:	1 May 2012
Registration and Icebreaker:	24 June 2012
Conference begins:	25 June 2012
Final revised papers deadline:	24 August 2012





SYMPOSIUM ORGANIZATION

Magnús Már Magnússon (International Glaciological Society)

SCIENTIFIC STEERING AND EDITORIAL COMMITTEE

Gwenn Flowers, Chief Editor (Simon Fraser University, Burnaby, Canada),
Etienne Berthier, Richard Hindmarsh, Matthias Huss, Tómas Jóhannesson,
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Ed Waddington.

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Ed Bueler, Chris Larsen, Roman Motyka, Shad O'Neel, Erin Pettit, Martin Truffer,
Gabriel Wolken

INVITED SPEAKERS

Bob Bindschadler, Roger Braithwaite, Christian Schoof, Martin Sharp,
Michiel van den Broeke

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Local symposium website: <http://glaciers.gi.alaska.edu/events/igs2012>



INTERNATIONAL SYMPOSIUM ON GLACIERS AND ICE SHEETS
IN A WARMING CLIMATE
Fairbanks, Alaska, USA, 24–29 June 2012
REGISTRATION FORM

Register online at www.igsoc.org/symposia/2012/alaska/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 (US dollars)

Participant (IGS member)	\$490
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Accompanying person (18+/12–17)	\$220/\$110
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TOTAL REGISTRATION FEES £ _____

Payment of registration fee by MasterCard, VISA or American Express

Card number

Expiration / CVV (last 3 numbers on signature strip)

Name of card holder as shown on card: _____

Signature: _____