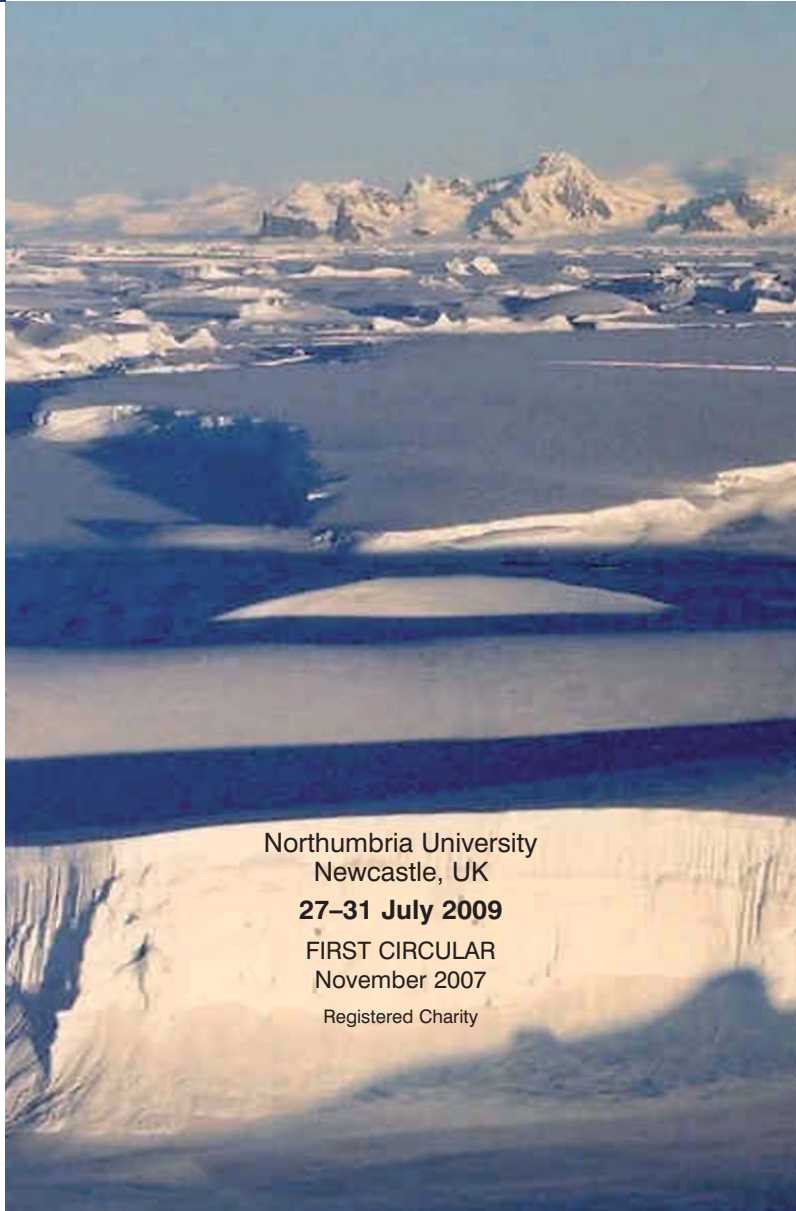




International Glaciological Society

International Symposium on Glaciology in the International Polar Year



Northumbria University
Newcastle, UK

27-31 July 2009

FIRST CIRCULAR
November 2007

Registered Charity





The International Glaciological Society will hold an International Symposium on Glaciology in the International Polar Year (IPY) in 2009. The symposium will be held at Northumbria University, Newcastle-upon-Tyne, UK, from 27-31 July. This is the only IGS Symposium specifically focussed on IPY, and in the spirit of IPY will foster cross-disciplinary understanding, and will include a significant outreach component.

THEME

The Polar cryosphere, including ice sheets, glaciers, surrounding permafrost regions and the sea ice of the polar oceans are remote components of the Earth System that have profound significance for the future of our planet. The International Polar Year (IPY) running from 2007-2009 places advancing our understanding of the polar cryosphere and its interconnectivity with the Earth's climate systems amongst its key scientific priorities. Investigation of the past and current stability of ice sheets and glaciers in the Arctic and Antarctic are key to predicting the future state and fate of the polar ice sheets. In recent years, evidence of significant climate warming has been observed in both Polar regions with impacts on ice shelves, glacier mass balance and ice sheet flow.

The IPY framework encourages international collaboration in polar studies. This conference will bring together polar scientists engaged in fieldwork, monitoring and modelling activities to assess the state of our knowledge of the glaciology of the Polar regions at the end of IPY. The conference will encompass all aspects of research into polar glaciology. We particularly welcome contributions following these listed symposium topics.

TOPICS

1. Paleoclimate and paleoglaciology with relevance to the onset of glaciation and deglaciation events in the northern and southern hemisphere.
2. Polar ice sheets during and since the Last Glacial Maximum: clues to the past and keys to the future.
3. Ice dynamics, ice extent and ice sheet stability including observed impacts from a changing climate.
4. Ice-shelf dynamics and grounding line processes, including connections between the sub-ice cavity and the deep ocean.
5. Ice/snow/atmosphere interactions including the connection of global atmospheric patterns to the moisture fluxes delivered to polar glaciers, mass balance monitoring and modelling and climate records from ice core activities.
6. Predicting the future of the Polar ice sheets.
7. Exploring conditions associated with glacial, subglacial and sea ice environments.
8. The legacy of studies from the 1957 IGY/IPY, and the possible legacy of current IPY activities.





SESSIONS

Oral and poster presentations will be held on four and a half days. Invited presentations on progress made during the IPY will also form part of the conference. There will be ample opportunity for poster displays.

OUTREACH

A series of public outreach sessions will be run during the conference. Keynote speakers will be invited to present to public audiences. On one of the conference days there will be organised sessions for school children and teachers. Conference participants will be invited to participate in these outreach activities by providing oral and poster presentations aimed at general audiences, in addition to their scientific participation in the conference.

PUBLICATIONS

Selected papers from the symposium will be published by the society in the Annals of Glaciology. All papers (including those based on posters) will be refereed and edited according to the Society's regular standards before being accepted for publication.

ACCOMMODATION

An accommodation web booking facility will be opened at the time of distribution of the second circular.

FURTHER INFORMATION

If you wish to receive further information on the symposium please e-mail Magnús Már Magnússon (International Glaciological Society) igsoc@igsoc.org. Updates will be provided on the society web page <http://www.igsoc.org>. Members of the International Glaciological Society will automatically receive a second circular.

SYMPOSIUM ORGANISATION

Magnús Már Magnússon (International Glaciological Society) John Woodward (local organiser).

SCIENTIFIC STEERING AND EDITORIAL COMMITTEE

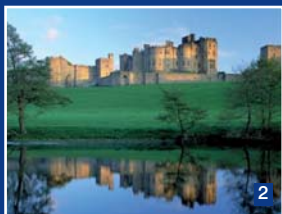
Hilmar Gudmundsson (Chief scientific editor), Robert Bindshadler, Ed Bueler, Jane Francis, Mahlon Kennicutt, Bernd Kulessa, Kathy Licht, Shawn Marshall, Elizabeth Morris, Colm O'Cofaigh, Frank Pattyn, John Priscu, Martin Siegert, Andy Smith, David Vaughan, John Woodward.



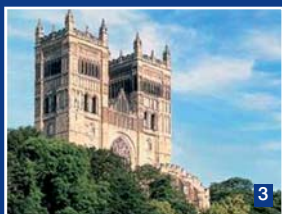


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Located in North East England, Newcastle is a vibrant, modern city. An inspirational conference demands a setting to match. NewcastleGateshead has it all – venues, accommodation and attractions in a compact, accessible city that is certain to delight and inspire. There are superb national and international travel connections and the UK's fastest-growing regional airport.



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1. Conference Dinner at St James' Park, Home of Newcastle United.

2. Poster Sessions at Alnwick Castle and Gardens.

3. Close to the historic City of Durham with its Cathedral and Castle.



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4. Superb local walking on the coasts and hills of Northumberland, and the Lake District.