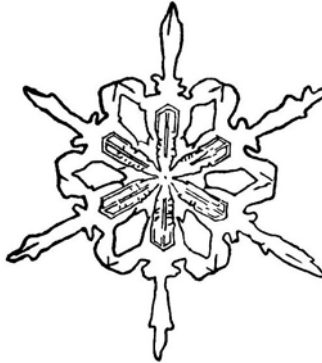


INTERNATIONAL GLACIOLOGICAL SOCIETY

INTERNATIONAL SYMPOSIUM ON DYNAMICS IN
GLACIOLOGY

Limerick, Ireland
17–22 August 2008



CO-SPONSORED BY:

University of Limerick
MACSI (Mathematics Applications Consortium
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SECOND CIRCULAR

January 2008

Registered Charity

INTERNATIONAL GLACIOLOGICAL SOCIETY

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SYMPOSIUM ON DYNAMICS IN GLACIOLOGY

The International Glaciological Society will hold an International Symposium on Dynamics in Glaciology in 2008. The symposium will be held in Limerick, Ireland, from 17–22 August.

SYMPOSIUM ORGANIZATION

Magnús Már Magnússon (International Glaciological Society).

LOCAL ARRANGEMENTS COMMITTEE

Andrew Fowler (Chairman), Stephen O'Brien, Alan Hegarty, Marguerite Robinson, Peg Hanrahan, Jenny Wright.

SCIENCE STEERING AND EDITORIAL COMMITTEE

Andrew Fowler (Chief Scientific Editor), Chris Clark, Garry Clarke, Richard Hindmarsh, Tavi Murray, Felix Ng, Christian Schoof.

INFORMATION ABOUT THE SYMPOSIUM MAY BE OBTAINED FROM:

International Glaciological Society, Scott Polar Research Institute,
Lensfield Rd, Cambridge CB2 1ER, UK.

Tel: +[44] (0)1223 355 974

Fax: +[44] (0)1223 336 543

Email: igsoc@igsoc.org

IGS Web:

<http://www.igsoc.org/symposia/>

Local website:

<http://www.macsi.ie/igs/>

PARTICIPATION

This circular includes instructions for registration and for arranging accommodation both through the travel agency website. A registration form (available at the symposium website) is also included, though online registration is strongly encouraged. The registration and accompanying payment are due 31 May 2008. There is a surcharge for late registration. The participant's registration fee includes organization costs, a set of abstracts, the icebreaker, coffee breaks and lunch, a traditional barbeque, the mid-week excursion and the banquet.

Registration fees

	€
Participant (IGS member)	385
Participant (not IGS member)	465
Student or retired IGS member	175
Accompanying person	185/140
Late registration surcharge (after 31 May 08)	100

Symposium study tour: Bookings will be done through the local website.
Details will be posted as they become available.

Registration refunds will be made according to date of notification. Cancellations made before 31 May 2008 will receive a full refund. Cancellations between 31 May and 9 August 2008 will receive a 50% refund. After 9 August it will not be possible to make any refund.

THEME

Mathematical and computational modelling have formed an integral part of the development of glaciology since its development as a quantitative science. Early examples of this are the development of the theory of kinematic (surface) waves on glaciers, the theory of glacier sliding over hard beds, and the theory of subglacial drainage. As the theory of such phenomena develops, new observations and insights motivate the construction of new and better theoretical models. Recent examples include the dynamics of ice motion over subglacial till, the formation of subglacial landforms, and the ice dynamic behaviour which causes Heinrich events.

This conference will focus on the interplay between novel glaciological observations, and the models which are necessary to explain such observations. It will focus on the study of phenomena in glaciology which are dynamic in nature, involving variation in time and/or space. The purpose of the meeting is to bring together field scientists and experimentalists who have intriguing observations to report with theoreticians and modellers who have been studying such phenomena. A particular encouragement will be to enable a workshop atmosphere in which open problems and observations will be discussed.

TOPICS

The suggested topics include:

1. Surging glaciers. Are the different types of surging glacier (Variegated/Trapridge type) amenable to a unified theoretical description? Can theories predict surging behaviour quantitatively?
2. Ice streams. Are ice streams due to thermal runaway? Hydraulic runaway? Are they topographically controlled?
3. Jökulhlaups. Is the Nye theory satisfactory? When can we expect sheet floods of the 1996 Grímsvötn type to occur?
4. Ice sheets and climate change. Can the Milankovitch mechanism cause the initiation of ice ages? Can climate change cause marine ice sheet collapse? Is the current behaviour of the Greenland Ice Sheet climatically controlled?
5. Advances in ice-flow modelling. Higher order models, full-Stokes models etc.
6. Glacial geomorphology. How are drumlins and eskers formed? What causes mega-scale glacial lineations?
7. Subglacial hydrology. Are the Röthlisberger/linked cavity/canal theories of drainage satisfactory? What sort of theory is appropriate under an ice sheet?
8. Extraterrestrial ice. How can we explain the troughs on the Martian ice caps, or the wrinkled crust of Europa?
9. Paleoglaciology. Do we understand Heinrich events? What caused Dansgaard-Oeschger events? Can we explain Snowball Earth?

SESSIONS AND POSTERS

Oral presentations will be held on four full days and one half-day. There will be ample opportunity for poster displays. Poster boards measuring 900mm wide by 1800mm high (A0 portrait size) will be supplied for the poster presentations..

ABSTRACTS

(1) SUBMISSION OF ABSTRACTS

Participants who want to contribute to the Symposium should submit an abstract of their proposed presentation. This abstract must contain sufficient detail for its scientific merit and relevance to the symposium theme to be judged by the Editorial Board. A website will be available from 1 February 2008 where authors can upload their abstract and all

the relevant contact information. The abstract itself should not exceed 400 words. References and illustrations should not be included.

Those unable to submit their abstract via the internet can submit electronic files on a CD or diskette to the IGS office where a member of staff will upload them onto the website.

LAST DATE FOR RECEIPT OF ABSTRACTS: 12 MARCH 2008

(2) SELECTION OF ABSTRACTS

Each abstract will be assessed on its scientific quality and relevance to the Symposium theme. Authors whose abstracts are accepted will be invited to make either an oral or poster presentation at the Symposium. First or corresponding authors will be advised by 15 April 2008 of the acceptance or otherwise; other authors will not be informed separately. Authors who have not received notification by that date should contact the IGS office in Cambridge in case their abstract was not received. The abstracts will be compiled into a paper or CD format, and may be published on the Internet.

(3) DISTRIBUTION OF ABSTRACTS

A set of the accepted abstracts will be provided to participants upon registration on 17 August 2008.

THEMATIC PUBLICATION

The Council of the IGS has decided to change the editorial policy of the *Annals of Glaciology*. The *Annals* will be published as a thematic journal whose themes will be chosen by the IGS Council on a regular basis. Such themes may run parallel to the themes of symposia or may be independent. Thus the Council has decided to publish an *Annals* issue whose theme will be 'Dynamics in Glaciology'. Submissions are open to anyone. All papers should be submitted through the IGS online submission system and will be refereed and edited according to the Society's regular standards before being accepted for publication. Those submitting abstracts to the symposium will be asked to indicate whether they intend to submit a paper for publication in the *Annals*, so that reviewers may be sought in advance. Papers submitted for consideration in the *Annals* cannot be submitted to another publication as well.

The page charge policy for publishing in the *Annals of Glaciology* has not been decided yet but that information will be made available as soon as possible.

EXCURSIONS

MID WEEK FIELD TRIP

The excursion will take us past the drumlin fields of mid-Clare towards the Burren, Ireland's premier karst region of exposed limestone pavement, hosting a variety of alpine flora, as well as numerous ring forts and dolmens.

A packed lunch will be provided and dinner is included in a traditional Irish Pub in Doolin, County.Clare.

BANQUET to be held on Thursday evening, 20 August at the Clarion Hotel, Steamboat Quay, Limerick. The Clarion Hotel is the tallest hotel in Ireland and is situated on the river Shannon waterfront. The banqueting suite boasts stunning views of the city and river. <http://www.clarionlimerick.com>

SYMPOSIUM STUDY TOUR – THREE DAYS - WEST OF IRELAND

The tour will set off from Limerick on the morning of Saturday 23rd, passing through a drumlin field near Gort, and stopping at arguably one of the best drumlin sections in the country situated in Barna, just outside Galway. We then drive through the spectacular scenery of Connemara, and travel up to Sligo, before returning to Limerick/Shannon on

Monday afternoon. En route we will visit a number of glacial and sedimentary features, including drumlins, fjords, classic glacial mountains, marine deltas, eskers and end moraines, as well as the famous Clew Bay drumlin field. Overnight stops will be in Letterfrack and Sligo.

Further details and costs will be available shortly on the symposium website.

ACCOMPANYING PERSONS PROGRAMME

The accompanying person registration fee (€185 for 18 and over, €140 for under 18) includes the icebreaker, traditional barbeque, the mid-week excursion and the banquet. Short excursions around the Limerick/Shannon area will be offered, at additional cost. These might include trips to Bunratty Castle, Craggaunowen and Killaloe. See the symposium website for further details or email marguerite.robinson@ul.ie.

TRAVEL, ACCOMMODATION AND OTHER LOCAL INFORMATION

Ireland is not a full member of the Schengen Treaty. Thus you will require a passport to enter the country. Some nationalities will require a visa. Information about which nationalities need a visa, where and how to apply (including forms) is to be found at <http://foreignaffairs.gov.ie/home/index.aspx?id=8605>

Location and weather

There are several restaurants and bars on the university campus and many more within walking distance. The campus is also home to one of the top fitness centres in the country. Facilities include a 50m swimming pool, cardio-fitness centre, indoor/outdoor running tracks, basketball and tennis courts. The centre is open to the public and details can be found at www.universityarena.com. The university campus is a ten minute taxi ride from the city centre and regular buses link the two (see www.buseireann.ie/site/your_journey/printed_timetable_pdfs/city/308.pdf). The city has many restaurants, bars, shops and historical sites. More information on Limerick city can be found on the websites www.limerick.ie/VisitingLimerick and www.limericktourist.ie. Weather in August is usually dry and sunny with an average temperature of 15-17°C. However, the weather is changeable and rain is always a possibility.

Venue

The symposium is to be held by the Department of Mathematics and Statistics, University of Limerick.

See <http://www.ul.ie> and <http://www.macsi.ie>.

Getting to the University

Easy access to the university is by Shannon International Airport, located 25km from the university campus. Several US carriers service the airport and regular flights also operate to and from the UK and many other European destinations. Alternatively, participants can transfer through Dublin airport which operates connecting flights to Shannon daily. Regular trains also run between Dublin and Limerick city.

More details can be found on the airport's website www.shannonairport.com and the Irish rail service's website www.irishrail.ie.

The university is approximately a 30 minute taxi ride from Shannon airport. Taxis cost €45 and can be booked in the arrivals hall. Alternatively, Bus Eireann operates regular buses from Shannon to Limerick bus/train station which is then a short taxi ride from the university campus.

Details can be found at www.buseireann.ie.

Accommodation Information

Accommodation is available on-campus. The university campus, set in 300 acres of beautiful riverside parkland, provides a relaxed, convenient, scenic and self contained

environment for delegates during their stay. The accommodation is provided in en-suite apartments situated within close walking distance of all meeting and social conference facilities on campus. The accommodation comprises of terrace-style apartments. Each apartment has four or six bedrooms and a shared, comfortable living room and kitchen with cable television, and card phones. Each bedroom has a double bed, desk and bathroom. Bed linen and towels are supplied and there is a daily cleaning service. Continental breakfast is delivered into the apartments for guests each day. The village has free adjacent parking. Certain apartments can be reserved for visitors requiring disabled access. Delegates are welcomed at the reception on their arrival. Rooms can be booked on the agent's website

<https://www.iccbookings.com/ConferenceBookingsUL/index.html>

at a cost of €5 per person per night. Double rooms are available and will be booked as two singles at a reduced rate.

Alternatively, participants may choose to stay off-campus. There are several hotels in the city (see www.limericktourist.com/directory/accommodation/hotels). However, the Castletroy Park Hotel, located adjacent to the university campus, is recommended. The Local Organizing Committee has reserved a limited number of rooms which will be held until 10 July 2008. The rates are as follows:

17th August 2008 for 5 nights

Conference rates, B&B per night:

Single EUR €120.00 Double EUR €145.00

Guests book directly with the hotel quoting conference reference ISDG. The rooms will be held until 10 July and at that time the unbooked rooms will be released back to the hotel. Guests can still book after that time but must pay the normal hotel rates.

Internet Access

Wireless internet access will be available in the poster presentation area in addition to various locations throughout the university. Details of laptop configuration for the university's wireless network will be provided on arrival. For participants selecting to stay on-campus there will be wired internet access in all bedrooms.

For additional information contact:

marguerite.robinson@ul.ie

jenny.wright@ul.ie

IMPORTANT DATES

Abstracts due	12 March 2008
Notification of acceptance	15 April 2008
Preregistration deadline	31 May 2008
Papers due	15 June 2008
Deadline for full refund	29 June 2008
Deadline for refund	01 August 2008
Registration	17 August 2008
Conference starts	18 August 2008
Final revised papers	28 September 2008

REGISTRATION

Registration will be through the IGS main office. See form below.

Payment may also be made by a direct bank transfer to:

Bank of Scotland,
38 St Andrew Square,
Edinburgh,
EH2 2YR, UK.

£ Sterling

Account name: International Glaciological Society.
Sort Code 80-11-00 Account no: 06065959
IBAN number: GB90 BOFS 8011 0006 0659 59
SWIFT/BIC code: BOFSGB21012

€Euro

Account name: International Glaciological Society.
Sort Code 12-20-10 Account no: 40571001
IBAN number: GB90 GB85 BOFS 1220 1040 5710 01
SWIFT/BIC code: BOFSGB21EUL

\$ US

Account name: International Glaciological Society.
Sort Code 80-20-13 Account no: 40571USD01
IBAN number: GB98 BOFS 8020 1340 5711 01
SWIFT/BIC code: BOFSGB2SXXX

Please note that we need the full amount .
ANY BANK OR TRANSFER CHARGES MUST BE BORNE BY THE PAYEE AND
INCLUDED IN THE BANK TRANSFER.

It is usually possible to indicate this on the bank transfer form by ticking a box.
(Please inquire at your bank).

If payment made after 31 May 2008, add €100 for each person

PLEASE RETURN AS SOON AS POSSIBLE TO:

Secretary General,
International Glaciological Society,
Scott Polar Research Institute,
Lensfield Road,
Cambridge,
CB2 1ER,
UK

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Web: <http://www.igsoc.org>