



INTERNATIONAL GLACIOLOGICAL SOCIETY

## International Symposium on The Edges of Glaciology



Limerick, Ireland  
2–7 July 2023

*Co-sponsored by:*

 MACSI (Mathematics Applications Consortium  
for Science and Industry), University of Limerick

SECOND CIRCULAR

February 2023

[https://www.igsoc.org/event/limerick\\_2023](https://www.igsoc.org/event/limerick_2023)



The International Glaciological Society will hold an **International Symposium on The Edges of Glaciology** in 2023. The symposium will be held in Limerick, Ireland, from 2–7 July. This will be an in-person conference.

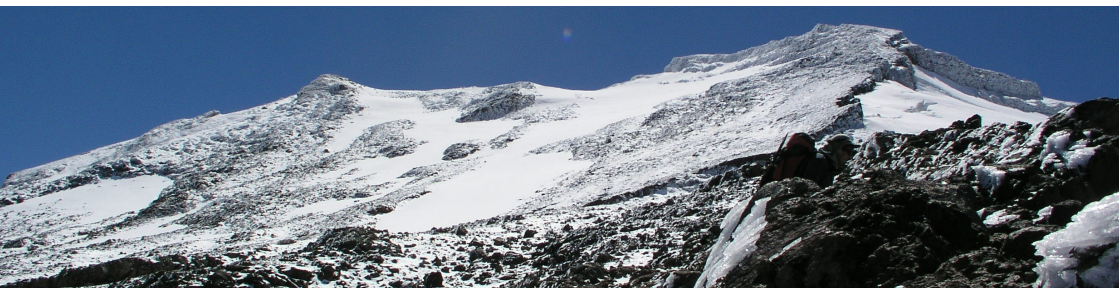
## THEME

**The edges of glaciology** are most obviously those parts of the study of ice and ice masses which involve boundaries: grain boundaries, ice cores, the glacier bed, the glacier surface, shear margins, crevasses, calving. But these and other subjects also sometimes involve philosophical edges, where different presumptions and practices can lead to controversy: for example, theories of drumlin formation or till deformation. And, yet again, there are territorial edges, where glaciology lies at the interface with other disciplines, as for example in ice-shelf–ocean interactions, rheology of granular materials, firn sintering and compaction. The aim of the symposium is to explore and encourage discussion of all such edges. In keeping with this aim, we hope to include some open problem-solving sessions, and will also recover the long-lost final open discussion.

## SESSIONS AND TOPICS

Oral and poster presentations will be held on three and a half days. There will be ample opportunity for poster displays. There will be at least one ‘open problem’ session and a final open discussion. The suggested topics include, but are not limited to:

1. Subglacial processes
2. Supraglacial processes
3. Snow, firn and ice at the grain scale
4. Calving and crevassing





5. Glacial geomorphology

6. Ice shelves and oceans

7. Till rheology

## PROGRAMME

The symposium will include oral and poster sessions interlaced with ample free time to facilitate the interactions of the participants. Additional activities include a pre-symposium excursion, an opening Icebreaker, a mid-week excursion to the Loop Head peninsula, a Banquet and a post-symposium excursion to Clare and Connemara.

## ABSTRACT AND PAPER PUBLICATION

Participants wishing to present a paper (oral or poster) at the Symposium will be required to submit an abstract by 1 March 2023. Abstracts need to be submitted via the IGS website. Accepted abstracts will be posted on the Symposium website. **Abstracts are also sought for (i) open problems and (ii) topics on the edge. The intention is that open problems will provide for a short presentation of a problem whose explanation is unknown, and topics on the edge will provide for a short presentation of a subject whose current status is contentious. Both types of presentation will be followed by an open discussion. Any number of open/edge abstracts can be submitted.**

The Council of the IGS will publish a thematic issue of the *Annals of Glaciology* on topics consistent with the Symposium themes. All papers (including those based on posters) will be refereed and edited according to the Society's regular standards before being accepted for publication. Paper submission will open 15 May and the deadline for submitting papers is 31 October 2023. The call for papers is posted on <https://www.igsoc.org/annals/>.







## REGISTRATION FEES

All fees are in Euros, €

*Early registration until 1 May 2023*

– Participant (IGS member):	€650
– Participant (not IGS member):	€750
– Student or retired (IGS member):	€450
– Student or retired (not IGS member):	€525
– Accompanying person (18+):	€350
– Accompanying person (12–17):	€250
– Accompanying person (<12):	€100

### *Surcharges*

– Registration after 1 May 2023:	add €100
– Registration after 1 June 2023:	add further €100

All prices will be charged in UK£ equivalent at the exchange rate valid near the date of transaction.

The fees include the Icebreaker, the mid-symposium excursion, the Symposium Banquet, dinner on Monday and Tuesday, lunches and morning and afternoon refreshments from Monday to Friday.

### **Accompanying persons**

The accompanying person's registration fee includes the Icebreaker, the midweek excursion, dinner on Monday and Tuesday, and the Symposium Banquet. **It does not include attendance at the presentation sessions.**

**Non-member registration includes a year's membership of the IGS.**





Please register for the symposium through the IGS website. If you cannot do this, contact the IGS office directly at [igsoc@igsoc.org](mailto:igsoc@igsoc.org). If payment by credit card is not possible, contact the IGS office to arrange for a bank transfer.

Please check whether you will require a visa to enter Ireland. If you need an invitation letter, please contact the IGS office at [igsoc@igsoc.org](mailto:igsoc@igsoc.org). The sooner you do this the more likely it is that your visa will be processed in time.

## LOCATION

Limerick is a city of some 100 000 people, whose origins lie in the mists of time. It is situated at the mouth of the River Shannon, where it opens into the Shannon estuary. While much of its former architectural splendour has gone, notable remnants include the mediaeval King John's Castle, and St Mary's Cathedral. The University of Limerick was established in 1972 as the National Institute for Higher Education, becoming a university in 1989. It is situated in the grounds of a former manor house dating from the 18th century, which now serves as an administrative hub. The River Shannon runs through the campus, which is several kilometres from the city centre.







## TRAVEL

Limerick is easily accessed from Shannon airport, from which a taxi takes 40 minutes and costs around €50; a cheaper alternative is the express 51 bus (direction Cork), which takes you to the Limerick bus and train station in the centre of the city, from where a taxi will cost around €10. For those travelling to Dublin airport, there are two buses that take you to Limerick; one is [Dublincoach.ie](http://Dublincoach.ie), which requires you to change at the Red Cow Luas station, but will let you off at the university; the other is [Eireagle.com](http://Eireagle.com), which is direct (get off at the Hurler's and then walk to the University (or Kilmurry Lodge, if you're staying there)). Trains ([Irishrail.ie](http://Irishrail.ie)) connect to Limerick (note: Limerick Colbert station) after a change at Limerick Junction (which is still 40 km away) from Dublin Heuston.

## VENUE

The meeting will be held in the Kemmy Business School at the University of Limerick in the west of Ireland. The surroundings offer plenty of scope for glaciological, geological and geographical excursions (drumlins, limestone pavement, caves, hill forts, alpine flora).





## ACCOMMODATION

The university campus, set in 300 hectares of beautiful riverside parkland, provides a convenient, scenic and self-contained environment for delegates. Accommodation (1.5 km from the venue) is available at €65.00 per person per night B&B. This consists of shared apartments of four or six bedrooms (each with its own private toilet and shower) and a shared living room with cable television and a fully fitted kitchen. High-speed WiFi is provided free of charge. Bed linen and towels are supplied and continental breakfast at a nearby restaurant is included. There is free adjacent parking. Double rooms are available, booked as two singles at a reduced rate. Please email your dates of stay to [conference@ul.ie](mailto:conference@ul.ie) to book a double room.

Alternatively, participants may choose to stay off-campus. The Kilmurry Lodge Hotel is located in Castletroy, approximately 2.5 km from the venue. The Local Organizing Committee has reserved a very limited number of rooms in this hotel (€132.00 per person per night B&B or €149.00 per room for double occupancy B&B).

Book any of the above accommodation at <https://ulevents.eventsair.com/international-glaciological-society-conference-2023/igsoc23accom>

All accommodation will be available at the above pricing until 31 April 2023. After that the rooms will be released and will only be available directly from the accommodation provider at a higher rate. **Only very limited local accommodation is available at this time, so early booking is strongly advised.**







### ICEBREAKER

The icebreaker will be held on Sunday 2 July in the Kemmy Business School foyer from 7.30–9.30 pm, with refreshments and a light buffet. In addition there are two bars (Scholars' and Stables) located centrally on campus, which should be open throughout the week.

### BANQUET

The symposium banquet will be held on Thursday evening, 6 July, at a venue yet to be ascertained. Further details will be provided as they become available.

### PRE-SYMPOSIUM EXCURSION

There will be a pre-symposium excursion on Sunday 2 July to Skellig Michael. The cost for this will be €165, inclusive of travel to Portmagee and a packed lunch. We have pre-booked five boats and thus 60 places. Those wishing to book a place or places should **book online at <https://ulevents.eventsair.com/international-glaciological-society-conference-2023/igsocsmt> as soon as possible to secure a place.** There are two booking options: one with payment, which guarantees a seat on a boat, and one without payment, which places you on a waiting list with no guarantee of a seat. Payment for the boat trip is non-refundable except in exceptional circumstances. We aim to have these bookings settled by the end of February if possible. The reason is that, if not all places are taken up, then we can get a full refund with sufficient notice. **No children under the age of 10 can make the trip.**







Skellig Michael is the larger of a pair of islands in the North Atlantic some 8 miles off the coast of County Kerry, and was the site of a monastic settlement from about the 5th century to the 12th. Access is by small boats that sail from Portmagee, the trip taking an hour. The landing at the pier is in choppy water; there is then a path part way round the island, and then an ascent of about 150 m on about 600 steps cut into the stone. It is steep and exposed, and there are no hand rails. No rubbish can be left on the island. Those wishing to attend should be aware that the sea voyage is likely to be choppy (the boats will not go in bad weather, and a full refund for the boat cost (€125) is then made, and an alternative excursion will take place), and that the ascent and descent is slightly arduous. Further information can be found at [www.skelligcoastadventures.ie](http://www.skelligcoastadventures.ie) .

The bus or buses will leave the University of Limerick at 7 am, to arrive at Portmagee at 10 am. They will leave Portmagee to return at around 4 pm, in time for the symposium icebreaker.





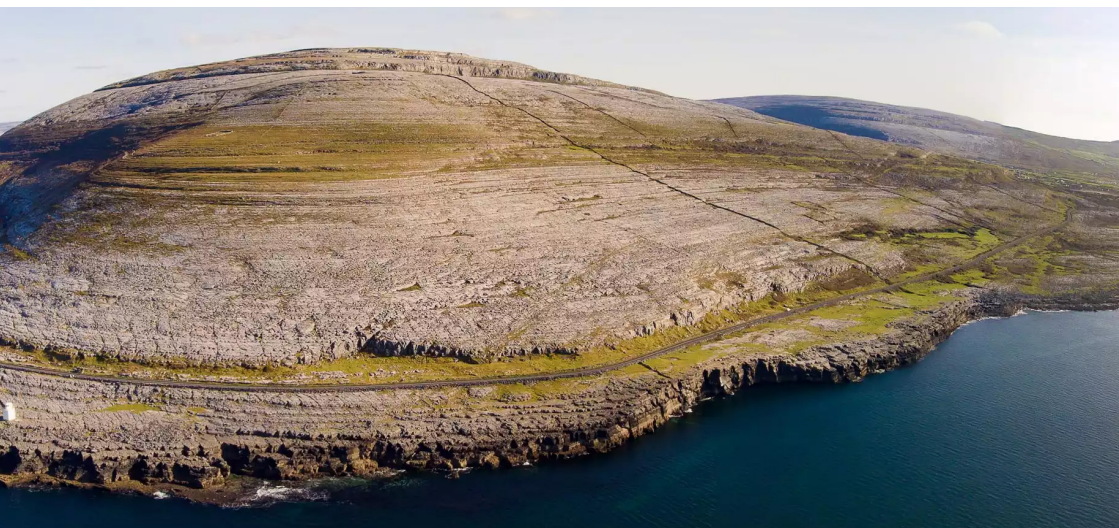
## OTHER EXCURSIONS

As well as the pre-symposium excursion to the early Christian settlement on Skellig Michael, there will be a mid-week excursion through the drumlin landscape of south County Clare to the Loop Head peninsula.

We also intend to host a post-symposium tour, leaving Limerick on the morning of 8 July and returning to Limerick via Shannon airport on the afternoon of 10 July. This tour will proceed providing sufficient numbers (12) sign up, and also providing accommodation can be secured; the current Ukrainian refugee crisis is having a severe impact on hotel accommodation. The itinerary is not yet established, but it is likely to comprise a day in Clare, exploring the Burren, including visits to neolithic sites such as hill forts and portal dolmens, karst cave systems, meanderkarren in limestone pavement, subglacial meltwater channels, and a chance to walk on the fabled limestone pavement of the Burren. A second day will take us north through Connemara towards Westport and the famous drumlins of Clew Bay, past a landscape carved by ice, including former cirques, drumlins, eskers and other glacial relict formations. As well as the geographical features, we will aim to include visits to other landmarks of note.

## SYMPOSIUM ORGANIZATION

Magnús Már Magnússon (International Glaciological Society)







## SCIENCE STEERING COMMITTEE

Andrew Fowler, Chris Clark, Felix Ng, Christian Schoof, Ian Hewitt, Jenny Suckale, Sophie Nowicki, Paul Dunlop.

## LOCAL ORGANIZING COMMITTEE

Andrew Fowler, Peg Hanrahan, Ena Brophy, Megan Tuite, Deb Tudge, Mark McGuinness (photography), Iain Moyles (catering), Guy Kember (music), Sarah Mitchell (travel advisor).

## FURTHER INFORMATION

If you wish to attend the symposium, please register your interest online at <http://www.igsoc.org/symposia/2023/limerick>. Please suggest (i) 'edges' you would like to see as topics for a discussion session and (ii) particular open problems you would like to be addressed in an open forum.

## IMPORTANT DATES

### *The Edges of Glaciology*

Opening of online abstract submission:	16 January 2023
Abstract submission deadline:	1 March 2023
Notification of abstract acceptance:	1 April 2023
Opening of online registration:	16 January 2023
Early registration deadline:	1 May 2023
Deadline for full refund:	1 June 2023
Late registration surcharge starts:	1 June 2023
Symposium starts:	2 July 2023

### *Annals of Glaciology* volume 65

Paper submission deadline:	31 October 2023
Final revised papers:	30 April 2024

The Call for Papers for the *Annals of Glaciology* is posted on [https://www.igsoc.org/annals/call\\_4\\_papers/](https://www.igsoc.org/annals/call_4_papers/). Accepted papers will be published as soon as authors have returned their proofs and all corrections have been made.

Publication of this *Annals* issue is scheduled for 2024.



