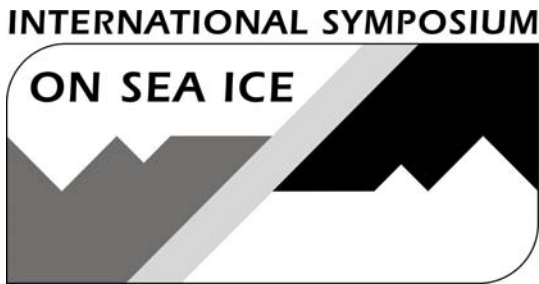


**INTERNATIONAL GLACIOLOGICAL SOCIETY**

**INTERNATIONAL SYMPOSIUM ON  
SEA ICE**

Dunedin, New Zealand  
5–9 December 2005



CO-SPONSORED BY  
University of Otago  
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SECOND CIRCULAR

December 2004

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# INTERNATIONAL GLACIOLOGICAL SOCIETY

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## SYMPOSIUM ON SEA ICE

The International Glaciological Society will hold an International Symposium on Sea Ice in 2005. The symposium will be held in Dunedin, New Zealand, with registration on 4 December and sessions from 5–9 December 2005.

## SYMPOSIUM ORGANIZATION

Magnús Már Magnússon (International Glaciological Society)

## LOCAL ARRANGEMENTS COMMITTEE

Vernon Squire and Pat Langhorne (co-Chairs), Sean Fitzsimons, Russell Frew, Blair Fitzharris, Harry Keys, Tim Haskell, Mike Williams, Trish Knox, Sandy Wilson, Jo Fielding.

## SCIENCE STEERING AND EDITORIAL COMMITTEE

Pat Langhorne and Vernon Squire (Chief scientific editors), Martin O. Jeffries, Ian Allison, Gerhard Dieckmann, Hajo Eicken, Jean-Louis Tison, Tony Worby, Enrico Zambianchi, Christian H. Fritsen, Matti Lepparanta, Donald Perovich, Kunio Shirasawa, Stan Jacobs, Mike Williams, Adrian Jenkins, Stein Sandven, Joey Comiso, Jamie Morison, Alexander Makshtas, Michelle Johnston, Stephen Jones, Ruth Preller, Stephen Ackley.

## 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 354 931

Email: [igsoc@igsoc.org](mailto:igsoc@igsoc.org)

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

<http://www.physics.otago.ac.nz/research/ice/igs/>

## PARTICIPATION

This circular includes forms for registration and instructions for arranging accommodation. These can also be found on the symposium website. The registration form and accompanying payment should be returned by 10 Sept 2005. There is a surcharge for late registration. The participants registration fee includes organisation costs, a set of abstracts, the icebreaker function, coffee breaks, the banquet, the mid-week excursion and a copy of the *Annals of Glaciology*.

### Registration fees

	UK£	
Participant (IGS member)	270	
Participant (not IGS member)	320	
Student or retired IGS member	100	
Accompanying person over 18	80	
Late registration surcharge (after 10 Sept 05)	50	
Post-symposium tour (estimate)	270	or NZ\$700

Registration refunds will be made according to date of notification. Cancellations made before 17 October 2005 will receive a full refund. Cancellations between 17 October and 19 November 2005 will be eligible for a partial refund. After 19 November it may not be possible to make any refund.

## **THEME**

The sea-ice of the Arctic and Antarctic Seas exerts a major impact on the regional oceans and atmosphere, concomitantly affecting global climate and modifying the global oceans. It also strongly influences the ecology of the polar oceans. Through remote sensing, fieldwork and modelling, often with a multidisciplinary flavour, scientists are well placed to make significant progress over the next two decades in our understanding of this vital constituent of the geosphere and biosphere at all scales. Succeeding the very successful 'International Symposium on Sea Ice and its Interactions', held in Fairbanks Alaska during June 2000, the overarching goal of this Symposium is to promote interdisciplinary discussion of the geophysics of sea ice and its interactions with the ocean, atmosphere and biosphere.

## **TOPICS**

The suggested topics include:

1. Sea-ice and climate
2. Sea-ice growth and decay
3. Sea-ice morphology, motion and deformation
4. Large scale sea-ice processes
5. Atmosphere-ice-ocean interactions
6. Interactions between sea-ice and ice shelves
7. Sea-ice ecology and habitat
8. Sea-ice modelling

## **SESSIONS AND POSTERS**

Oral presentations will be held on four full days and one half-day. There will also be a poster session. The size of poster presentations will be given on the website.

## **PUBLICATION**

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.

## **PAPERS**

### **(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 web site will be available at the beginning of 2005 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.

You will be required to enter all your details with the submission and in particular to state whether you intend to submit a paper for publication in the *Annals of Glaciology*. We will only solicit referees for abstracts that have explicitly stated that they intend to submit a paper. Referees are a scarce commodity and we do not want to trouble them unnecessarily.

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 web site.

## **LAST DATE FOR RECEIPT OF ABSTRACTS: 30 MAY 2005**

Final versions of papers accepted for publication should not exceed five printed pages in the *Annals of Glaciology*. Extra pages will be charged at the rate of UK £90 per page. Papers with colour figures will accrue page charges, at the colour rate of UK £150 for all pages. Honouring page charges (also £90 per page) for the first five pages is encouraged.

## (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 and submit a paper for publication in the *Annals of Glaciology* (included in the ISI Science Citation Index®). First or corresponding authors will be advised by 1 August 2005 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. Acceptance of an abstract means that the paper based on it should be submitted to the *Annals of Glaciology* and not to another publication. Note: abstracts alone will not be published in the *Annals of Glaciology*.

## (3) DISTRIBUTION OF ABSTRACTS

A set of the accepted abstracts will be provided to participants upon registration on 4 December 2005.

## (4) SUBMISSION OF PAPERS AND PUBLICATION

Manuscripts should be submitted electronically onto the IGS Symposium website (also linked via the Symposium website). Papers should be prepared in accordance with the instructions sent to authors with the abstract acceptance notification and must be submitted as pdf's (portable document format). Authors who submit in other electronic formats will be asked to re-submit as pdf. Authors who are unable to upload their paper onto the IGS website can submit a copy of their manuscripts, double-spaced with wide margins, on a CD or diskette, to the Secretary General, International Glaciological Society, Scott Polar Research Institute, Lensfield Road, Cambridge CB2 1ER, UK. Their manuscripts will be uploaded onto the Symposium website by IGS staff. All manuscripts should be submitted by **3 October 2005**. ALL AUTHORS ARE EXPECTED TO ADHERE TO THIS DEADLINE. Papers will be refereed according to the usual standards of the Society before being accepted for publication. Final papers, based on presentations at the Symposium, which have been submitted and accepted by the Editorial Board following review, will be published in English in the *Annals of Glaciology* (Vol. 44). Final, revised versions of papers, diskettes and original art work must be submitted by **16 January 2006**. Timely publication of the *Annals of Glaciology* will depend upon strict adherence to deadlines.

**LAST DATE FOR RECEIPT OF PAPERS: 3 October 2005**

**LAST DATE FOR RECEIPT OF REVISED PAPERS: 16 January 2006**

## EXCURSIONS

### MID WEEK FIELD TRIP:

Option 1: Excursion along Otago Peninsula. The Otago Peninsula is the only mainland nesting site of the Royal Albatross. The tour will include a visit to the albatross colony, a short boat trip to the mouth of the Otago Harbour, and a visit to a yellow-eyed penguin colony.

Option 2: Excursion to Central Otago. This group will head north up the coast by bus to view the Moeraki boulders. The tour will then travel inland to the goldfields of Central Otago to Pukerangi where they will board the Taieri Gorge railway to return to Dunedin by train through the spectacular Taieri gorge.

BANQUET to be held on Thursday evening in the ballroom of Larnach Castle on the Otago Peninsula. Larnach Castle was built in 1871 as home to a local businessman.

### POST-SYMPOSIUM TOUR: SOUTH ISLAND OF NEW ZEALAND

#### *THREE DAY TOUR: LEADER - BLAIR FITZHARRIS*

Approximate cost is NZ\$700 or UK£270 per person, including breakfasts and lunches, luxury bus travel and accommodation on twin share basis.

*10 December:* The field trip will begin from Dunedin after the Symposium. The main themes on the first day will be gold, tourism and hydro electricity development, land use change and new viticulture. We travel up the Clutha Valley through the historic heartland of Otago to arrive in Queenstown. This is a very scenic place in glaciated terrain and the adventure capital of New Zealand (see the movie *The Lord of the Rings*). Accommodation arranged in Queenstown.

*11 December:* Mountains, inter-montane basins and lakes of the South Island. Travel from Queenstown over two mountain passes to the McKenzie Country and the Mount Cook Region. Weather permitting, there will be a side trip to Mount Cook and the Tasman Glacier. Accommodation arranged in Twizel.

*12 December:* Lakes, foothills and plains. Travel from Twizel to Lake Tekapo through the foothills to the Canterbury Plains, across spectacular braided rivers and on to Christchurch. Accommodation arranged in Christchurch.

*13 December:* Participants will be able to leave for world-wide destinations from Christchurch International Airport. For those with late flights there will be a half day tour of Christchurch and part of Banks Peninsula.

### **ACCOMPANYING PERSONS PROGRAMME**

The accompanying persons registration fee includes the icebreaker, the banquet, the mid-week field trip and the services of the accompanying persons coordinator. The coordinator will be able to assist accompanying persons to make further arrangements through the local tourist office. Tourist information is available at <http://www.visit-dunedin.co.nz/>.

### **LOCATION AND WEATHER**

Dunedin is home to New Zealand's oldest university and has a population of about 120,000. Situated on the south-east coast of New Zealand's South Island, it is the capital of the spectacular province of Otago. The nearby Otago Peninsula is a sanctuary for wildlife, principally seals, penguins and Royal Albatross. Dunedin has a mild maritime climate and the weather is notoriously unpredictable. December is early summer so make sure you pack a warm jersey, a raincoat, sun block, a sun hat and some comfortable walking shoes for the Wednesday field trip. Further information is available at <http://www.cityofdunedin.com>.

### **TRAVEL AND ACCOMMODATION**

Citizens of the US, Canada, Japan and many European nations do not need a visa to enter New Zealand. If in doubt ask a travel agent or consult the Immigration New Zealand website [www.immigration.govt.nz](http://www.immigration.govt.nz) for information on visitor visas.

Please note that New Zealand has strict laws regarding entering the country with agricultural products. Visitors will be asked to declare the following: food of any kind, animal products (e.g. skins, honey, salami), or plant products (e.g. flowers, pot pourri). Camping and hiking gear will be checked to ensure it is clean. Take care to check your luggage – forgetting an apple can cost you an instant fine of NZ\$200!!

A choice of accommodation is offered on the attached sheet. Pencil bookings have been made for conference participants at a range of accommodation. Participants must book their own accommodation and must settle directly with this accommodation on departure. Accommodation will be booked on a first-come first-served basis but pencil bookings will be surrendered if bookings are not made by September. Delegates are cautioned that December is the high tourist season, on top of which university graduations are held during the weekends on either side of the conference. Space in the city's hotels and motels will be at a premium. Further information is available below.

## IMPORTANT DATES

Abstracts due	30 May 05
Notification of acceptance	1 Aug 05
Pre-registration due	10 Sept 05
Papers due	3 Oct 05
Deadline for full refund	17 Oct 05
Deadline for partial refund	19 Nov 05
Registration	4 Dec 05
Conference starts	5 Dec 05
Post-symposium tour starts	10 Dec 05
Final revised papers due	16 Jan 06

## ACCOMMODATION

### St Margaret's College

**Location:** 2 mins walking distance from conference venue

**Accommodation type:** Single rooms available with shared bathroom. A smaller number of double rooms are also available.

**Approximate price:** NZ\$55 bed and breakfast per person

**Email:** [stmargarets.college@smc.ac.nz](mailto:stmargarets.college@smc.ac.nz)

**Website:** [www.smc.ac.nz](http://www.smc.ac.nz)

**Address:** Saint Margaret's College, 333 Leith Street, Dunedin, New Zealand

**Phone:** +64 3 479-5543

**Fax:** +64 3479-5541

**Booking instructions:** Please quote "IGS Sea Ice Symposium" when booking

### Commodore Motel/ Apartments/ Rental Cars

**Location:** 10 mins walking distance from conference venue

**Accommodation type:** Range of one and two bedroom units, studio units and suites. Self-catering is a possibility.

**Approximate price:** NA

**Email:** [enquiries@dunedin-motel.co.nz](mailto:enquiries@dunedin-motel.co.nz)

**Website:** [www.dunedin-motel.co.nz](http://www.dunedin-motel.co.nz)

**Address:** 932 Cumberland Street, Dunedin, New Zealand

**Phone:** +64 3 477 7766

**Fax:** +64 3 477 7750

**Booking instructions:** Please quote "IGS Sea Ice Symposium" when booking

### Cargills Motor Lodge

**Location:** 5 mins walking distance from conference venue

**Accommodation type:** Three star hotel

**Approximate price:** NZ\$110–NZ\$136

**Email:** [cargills@es.co.nz](mailto:cargills@es.co.nz)

**Website:** [www.cargills.co.nz](http://www.cargills.co.nz)

**Address:** Flag Cargills Hotel, 678 George Street, Dunedin, New Zealand

**Phone:** +64 3 477 7983

**Fax:** +61 2 9999 4332

**Booking instructions:** Please quote reservation number 64083 when booking

## Hyland House

**Location:** 10 mins walking distance from conference venue

**Accommodation type:** ensuite rooms for the “discerning traveller”

**Approximate price:** NZ\$130–NZ\$300

**Email:** stay@hylandhouse.co.nz

**Website:** www.hylandhouse.co.nz

**Address:** 1003-1011 George Street, Dunedin, New Zealand

**Phone:** +64 3 473 1122

**Fax:** +64 3 473 6066

**Booking instructions:** Please quote “IGS Sea Ice Symposium” when booking

## Alhambra Oaks Motor Lodge

**Location:** 5 mins walking distance from conference venue

**Accommodation type:** 1 & 2 bedroom studio, family units also available

**Approximate price:** large studio for 2 persons NZ\$132–\$140 per night, small studio NZ\$115 per night

**Email:** info@alhambraoaks.co.nz

**Website:** www.alhambraoaks.co.nz

**Address:** 588 Great King St, Dunedin, New Zealand

**Phone:** +64 3 477 7735

**Fax:** +64 3 477 7745

**Booking instructions:** Please quote “IGS Sea Ice Symposium” when booking

## Abbey Lodge

**Location:** 5 mins walking distance from conference venue

**Accommodation type:** Rooms for one to three people. Meals available. Please discuss with Abbey Lodge.

**Approximate price:** NZ\$135 per night for 2 people, NZ\$20 per head for an additional person (This is a non-commissionable rate. If booking through a travel agent the commissionable rate is NZ\$198)

**Address:** 900 Cumberland St, Dunedin, New Zealand

**Website:** www.abbeylodge.co.nz

**Email:** reservations@abbeylodge.co.nz

**Address:** 900 Cumberland St., Dunedin, New Zealand

**Phone:** +64 3 477 5380

**Fax:** +64 3 477 8715

**Booking instructions:** Please quote reservation number #21783 when booking

Alternative accommodation is available, ranging from campsites, from NZ\$11 per person per night, to four star accommodation at NZ\$250 per person per night. Campers please note that Leith Valley Touring Camp is the nearest and is approximately 25 mins walk to the conference venue

**Dunedin Visitor Centre** has an excellent website with accommodation listed according to the facilities required. Their contact details are:

**Website:** <http://www.dunedinnz.com/tourism/>

**Address:** Dunedin Visitors Centre, 48 The Octagon, Dunedin

**Phone:** +64 3 474 3300

**Fax:** +64 3 474 3311

**Email:** visitor.centre@dcc.govt.nz

Alternative accommodation can also be found on the following websites:

<http://www.jasons.co.nz/destinations/dunedin/>

<http://www.wotif.com>

<http://www.yellowpages.co.nz/>

