

IGS BRITISH BRANCH ANNUAL MEETING 2010

Second circular

Thank you for registering for the 35th Annual Meeting of the IGS British Branch to be held at the Medrus Conference Suite, Aberystwyth University. We have an exciting and varied programme of 32 talks and 22 posters. A detailed programme is attached to this circular and the accompanying abstracts volume will be distributed at the meeting registration. Receipts for payments made to the university will also be available at registration.

Open public talk: Professor John Glen

Delegates attending the open public talk by Professor John Glen are welcome to arrive at the Institute of Geography and Earth Sciences (Llandinam Building – number 5 on the attached map) any time after 6pm on Wednesday 15th September. The talk will be preceded by a drinks reception on the top floor of the department tower, which enjoys spectacular views across the town and Cardigan Bay. The location of the reception will be clearly signposted on arrival at the department; for those arriving after the drinks reception, the talk will be located in A6, on the lower-ground floor of the department, and will begin at 7.30pm.

Accommodation

Delegates who have requested university accommodation will be staying in the Cwrt Mawr halls of residence (number 16 on the attached map) and can collect their keys from 3pm on the day of arrival at the nearby reception (indicated at top-left of the campus, not the main entrance). Check out is by 10am on the morning of departure, but luggage storage will be available for the duration of the meeting.

Meeting organisation

As the vast majority of delegates have indicated they will attend the talk on Wednesday night, registration will begin promptly at 9am on Thursday 16th September and the opening session will commence at 10am. The meeting will be held in the **Medrus Conference suite**, which is located in Penbryn Halls (number 15 on the attached map). On arrival at Penbryn, please follow the signs to the registration desk, which will be located near to the Wasdell room, on the first floor of the building. Tea and coffee will be available during registration and delegates presenting posters should display them on the boards provided at this time. Lunch is not included in the registration fee but can be taken either in the Tamed Da restaurant (on the ground floor of Penbryn) or the Arts Centre (number 2 on the attached map). Sandwiches are available from the Student Union shop (number 12).

Presentations

Oral sessions will take place in the Medrus Room and will each have their own chairperson (to be announced). Powerpoint facilities will be available (please bring your file on CD or USB). Presenting authors should make themselves known to the chairperson prior to their session; the chairperson will assist with uploading Powerpoint files to the system. Talks have been allocated 15 minutes, but

presenting authors should keep their talk to a maximum of 10 minutes to allow time for discussion. Slide and overhead projection facilities will be provided only if requested in advance of the meeting.

Posters will be on display throughout the meeting and there will be opportunities to view these at lunchtimes, refreshment breaks and during the reception prior to the AGM and annual dinner on Thursday. Delegates presenting posters should prepare a one-minute oral 'advertisement' for their poster to be given during a special session prior to the reception on Thursday. Posters can be either portrait or landscape in orientation.

Annual dinner

The annual dinner will begin at 8pm at the Consti restaurant, which is located on the coastal cliffs to the north of the town. The restaurant is within walking distance of the conference facilities and is accessed by a funicular railway. The dinner will comprise three courses and includes wine; a full bar will also be available for other alcoholic and soft drinks.

Travel

Comprehensive travel information can be found at <http://www.aber.ac.uk/en/maps-travel>. Once in Aberystwyth, most (if not all) places are within walking distance from one another.

Parking: Parking is at a premium within the university grounds, but some space for visitors is allocated close to the accommodation and the meeting venue (see attached parking information). Those parking their cars on campus must fill out a visitor parking permit and display it for the duration of the stay.

Taxi: A taxi from the train station to the main university campus will take around five minutes and will cost around £4.

Funding Assistance and Awards for Postgraduates

We intend to contribute towards travel costs incurred by postgraduate delegates subject to sufficient funds being available; please enquire at registration if you require further details. Awards for the best student poster and oral presentation will be made at the end of the meeting.

Departure

The meeting is scheduled to conclude at 1.30pm on Friday 17th September, allowing plenty of time for homeward journeys.

We look forward to welcoming you to Aberystwyth next week!

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Meeting programme

Thursday 16 th September			
09:00	Registration and coffee		
10:00	Welcome and practical information		
Session 1: Modelling of snow, ice surface processes and ice dynamics			
10:15	Adrian McCullum	University of Cambridge	Cone Penetration Testing (CPT) in Polar snow
10:30	Liz Morris	University of Cambridge	Snow Densification in Greenland
10:45	Nick Rutter	Northumbria University	Observations of snowpack properties to evaluate ground-based microwave remote sensing
11:00	Richard Morris	University of Aberdeen	Refreezing and Runoff of Meltwater at the Surface of the Devon Island Ice Cap, Arctic Canada
11:15	Coffee		
Session 2: Greenland mass balance and surface hydrology			
11:45	Chris Vernon	University of Bristol	Constraining the Surface Mass Balance of the Greenland Ice Sheet
12:00	Jonathan Day	University of Bristol	The impact of 21st century sea ice decline on the mass balance of the Greenland Ice Sheet
12:15	Irene Wientjes	Utrecht University	Dust from the dark region of Greenland’s western melt zone
12:30	Jennifer Griggs	University of Bristol	A new multiple spatial resolution estimate of the bedrock elevation of the Greenland ice sheet
12:45	Sue Cook	Swansea University	An application of calving in a finite element model
13:00	Lunch		
14:00	Martin O'Leary	University of Cambridge	Modelling melt plumes and melange at Kangerdlugssuaq
14:15	Christine Dow	Swansea University	Field observations of rapid supraglacial lake drainage in the Russell Glacier catchment, SW Greenland.
14:30	Adrian Luckman	Swansea University	Petermann Glacier dynamics and the 2010 calving event
14:45	Steve Palmer	University of Leeds	InSAR observations of ice elevation and velocity fluctuations at the Flade Isblink Ice Cap, eastern North Greenland
15:00	Coffee		
Session 3: Geomorphology and glacial reconstruction			
15:30	Henry Patton	Aberystwyth University	High-resolution modelling of the Late Devensian Welsh Ice Cap
15:45	Maarten Krabbendem	British Geological Survey	Bedrock properties and glacial erosional processes: the influence of hardness and joint spacing on abrasion and plucking
16:00	Neil Ross	University of Edinburgh	Glacial solutions for the great Welsh pingo mystery
16:15	Robert Bingham	University of Aberdeen	A geological template for the dynamic thinning of ice, Bellingshausen Coast, West Antarctica

16:30 Session 4: Poster advertisements			
Liz Bagshaw	University of Bristol	Rapid biogeochemical response to changing physical conditions in closed Antarctic cryoconite holes	
Lenka Balounova	University of Oslo	Systematic collection of worldwide special catastrophic events from glacial and periglacial environment by GAPHAZ	
Robert Bingham	University of Aberdeen	Institute and Möller Ice Streams, West Antarctica: Plans for 2010/11 aerogeophysical survey targeting basal boundary conditions	
Victoria Brown	University of Durham	Ice Stream dynamics at the North-Western margin of the Laurentide Ice Sheet	
Simon Cook	Aberystwyth University	Origin and significance of dispersed facies basal ice: Svínafellsjökull, Iceland	
Andrew Fitzpatrick	Aberystwyth University	Supraglacial lake drainage patterns on Russell Glacier, West Greenland	
Richard Gravelle	Loughborough University	Investigation of proglacial discharge and sediment fluxes, Storglaciären, Northern Sweden	
Michael Hambrey	Aberystwyth University	Glacial history of the NE Antarctic Peninsula region over centennial to millennial timescales	
Jane Hart	University of Southampton	Contrasting subglacial processes from Briksdalsbreen and Skálafellsjökull, monitored by wireless in situ probes	
Richard Hindmarsh	British Antarctic Survey	Flow modelling over Subglacial Lake Ellsworth	
Glenn Jones	Swansea University	Passive seismic monitoring of in-situ lake drainage on the Greenland Ice Sheet	
Nanna Karlsson	University of Hull / BAS	The internal layering of the North Polar layered deposits on Mars and implications for ice flow	
Anne Le Brocq	University of Durham/Exeter	An improved Antarctic dataset for high resolution numerical ice sheet models	
Stephen Livingstone	University of Durham	Reconstruction of ice dynamics in the central sector of the last British-Irish Ice Sheet	
Chris Lloyd	University of Sheffield	Controls on the location of glacial overdeepening	
Oliver Marsh	University of Canterbury	Calculating Ice-Shelf Surface Velocity Using ICESat Satellite Altimetry	
Adrian McCallum	University of Cambridge	Cone Penetration Testing (CPT) in Polar snow	
Peter Nienow	University of Edinburgh	Supraglacial forcing of subglacial drainage in the ablation zone of the Greenland Ice Sheet	
Danielle Pearce	British Geological Survey	4D modelling of glacier evolution: Virkisjökull, Iceland	
Kathryn Rose	British Antarctic Survey	Subglacial Landscapes and Basal Hydrology Revealed in the Gamburtsev Province of East Antarctica	
Colin Souness	Aberystwyth University	Distribution of glacier like forms in Mars' mid-latitudes	
Tom Watts	University of Sheffield	Geomorphological and preliminary dating evidence for the origin and significance of a large moraine complex at Grønfjordbreen, Svalbard	
Matt Westoby	Aberystwyth University	Modelling outburst floods from Himalayan moraine-dammed glacial lakes	
Ingo Wolff	Aberystwyth University	Changes in extent of the former Lago Buenos Aires outlet glacier – Modeling the impact of glacial erosion vs. tectonic uplift	

IGS Matters and UKPN session	
17:00	Annual Report (Magnús Már Magnússon), followed at approximately 17:15 by the IGS BB AGM UK Polar Network Mentoring Session
18:00	Reception and poster viewing session
20:00	Dinner at 'Consti'

Friday 17 th September			
Session 5: Valley glacier processes and landforms			
09:00	Sam Roberson	Delft University of Technology	Physical properties and formation of flutes at a polythermal valley glacier: Midre Lovénbreen, Svalbard
09:15	Kathryn Rose	British Antarctic Survey	Assessing the Catastrophic Break Up of Briksdalsbreen, Norway
09:30	Jonathan Kingslake	University of Sheffield	Quantifying the predictability of Jökulhlaups from Merzbacher Lake, Kyrgyzstan
09:45	Doug Benn	UNIS	Lake Growth on the Debris-Covered Ngozumpa Glacier, Nepal
Session 6: Remote sensing of ice and snow			
10:00	Allen Pope	University of Cambridge	Characterisation of glacier facies with the Airborne Thematic Mapper
10:15	Malcolm McMillan	University of Edinburgh	Mapping Ice Shelf Flow with Radar Interferometry
10:30	Mark Neal	Aberystwyth University	Minty goes North (a tale of robots, lasers and swath bathymetry)
10:45	Coffee		
Session 7: Antarctic structure, dynamics and subglacial lakes			
11:15	Andy Smith	British Antarctic Survey	Geophysical reconnaissance of Subglacial Lake Ellsworth: A "smorgasbord" of progress and results so far
11:30	Gisela Hiess	British Antarctic Survey	Internal ice layer architecture determined by automatic processing of Radar-Echo Sounding data: Rutford Ice Stream and Subglacial Lake
11:45	Ed King	British Antarctic Survey	Fast flow, slow flow – any difference at the bed? DELORES at Carlson Inlet.
12:00	Andrew Wright	University of Edinburgh	Geomorphology and Subglacial Hydrology of the Aurora Basin, East Antarctica, from the Geophysical Investigations of the ICECAP Project
12:15	Stephen Livingstone	University of Durham	Geomorphic signature of an Antarctic palaeo-ice stream: implications for understanding subglacial processes and grounding line retreat
12:30	Nanna Karlsson	University of Hull / BAS	A Modelling Study of a Layer pattern in a Radio Echo Sounding Dataset from Pine Island Glacier, West Antarctica
12:45	Hamish Pritchard	British Antarctic Survey	Causes and consequences of ice shelf melt
13:00	Tom Holt	Aberystwyth University	The structural glaciology and dynamic configuration of Bach Ice Shelf, Antarctic Peninsula
13:15	John Glen Prizes and wrap-up		
13:30	Departure		