

The 4<sup>th</sup> Deep Water Circulation Research Conference

Edinburgh, 24 - 26 May 2023



## THIRD CIRCULAR

### Register *NOW* and join us in Edinburgh

**CONTOURITES** This is the primary meeting for all those interested in the fast-moving and interdisciplinary field of contourites and associated deepwater processes and sediments. We already have a fantastic line-up of speakers, posters, workshops and discussion sessions. Join us in Edinburgh, May 24-26th 2023.

**VENUE** The Royal Society of Edinburgh (24-25<sup>th</sup>) on George Street in the heart of Edinburgh's city centre, a UNESCO World Heritage Site, and Heriot-Watt University, Riccarton Campus (26<sup>th</sup>) for workshops and discussion sessions. Edinburgh is a beautiful and historic city, so do plan to include some tourism time.

**REGISTRATION** is available through Eventbrite (link below) and on the website [www.4dwc.hw.ac.uk](http://www.4dwc.hw.ac.uk)  
Full registration £400, Student registration £300 – both include reception, coffees, lunches and conference dinner.  
**Deadline** for confirmed access to all events **24<sup>th</sup> April 2023**. However, do register and make travel arrangements **soon**. Registration *will continue* up to the conference, but we do need to know numbers as soon as possible.

<https://www.eventbrite.com/e/deepwater-circulation-research-conference-contourites-tickets-479866031217>

**ABSTRACTS** for oral, poster and micro-discussion presentations directly to: [d.stow@hw.ac.uk](mailto:d.stow@hw.ac.uk)  
Final **deadline** for abstracts to be included in the programme is **now extended to 15<sup>th</sup> April 2023**. However, abstracts will be accepted on a **rolling basis** so that space for oral presentations may fill up before the deadline. Send your abstract early! *One page* A4 for oral and poster presentations (including a figure if you wish). *Title and 3-4 lines* for micro-discussion presentations.



Edinburgh Castle & City Centre – snowbound



The Shore at Leith – Edinburgh's harbour area

## ACCOMMODATION

There is no designated conference hotel, but there are many hotels, guesthouses and Airbnb options available in Edinburgh. See: <https://www.google.com/travel/hotels/Edinburgh>

We do not in any way recommend one hotel or option over another. However, some guidelines are as follows:

**City Centre:** The venue for the first two days is the Royal Society of Edinburgh on George Street – nearby hotels include: Novotel, Premier Inn, Mercure, Ibis Styles (lower cost), Le Monde, Malmaison, Old Waverley (mid-cost), and Sonder Royal Garden or The Edinburgh Grand (higher cost). There are also many other hotels in the area, and lots of Airbnb too. Edinburgh Central Youth Hostel is another low-cost option near the city centre.

**Further out:** Hotels tend to be lower cost just outside the central area. There is a good bus network everywhere so not really a problem if you're a little out of the centre. The Shore in Leith has a Malmaison, Holiday Inn, as well as luxury hotels on converted ships (Fingal and Ocean Mist), and many more Airbnb's and smaller guesthouses.

**On campus (Heriot Watt University):** The venue for the Friday discussion workshops is the Lyell Centre on the University campus. Lothian buses (25 and 34) from the city centre (30 minutes). Alternatively, there is a campus hotel – The Courtyard by Marriott (Edinburgh West), as well as lower-cost accommodation (see below).

**Lower-cost option:** We have reserved a number of rooms on campus in the Paul Stobart Building near the Edinburgh Business School, Heriot Watt University. These are £70 per night, for single or double occupancy (no breakfast included). Reserve via and for any further information [d.stow@hw.ac.uk](mailto:d.stow@hw.ac.uk)

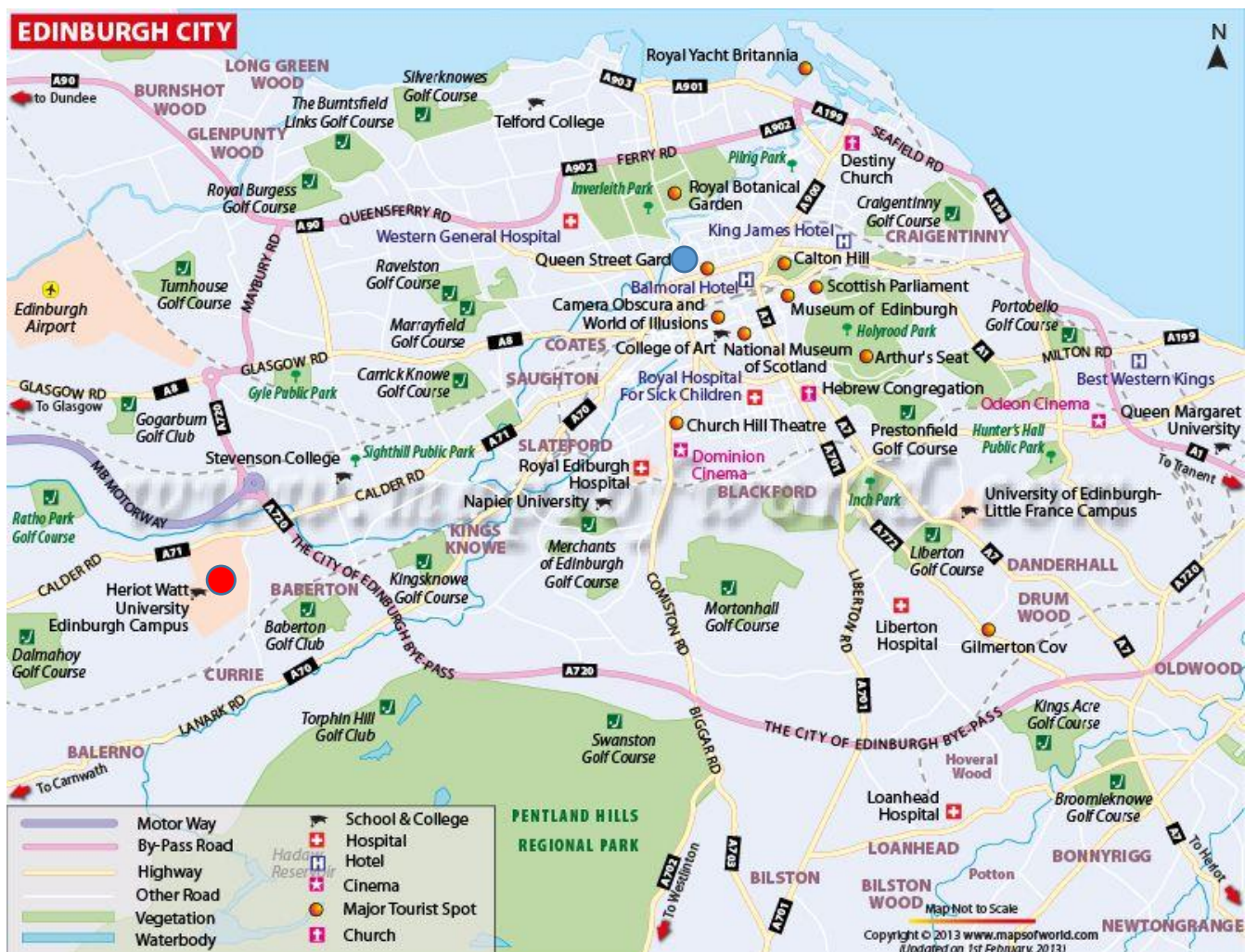
## TRANSPORT

Convenient and safe transport is available throughout the city.

**Airport:** Edinburgh Airport (10 km west) is served by airport buses (No 100 to the City Centre), trams and taxis.

**Trains:** Edinburgh Waverley Station is located in the City Centre. Edinburgh Haymarket Station is 1 km west.

**Trams** run from the Airport to the City. **Buses** are frequent and with many Lothian Bus services that criss-cross the city. **Taxis:** black cabs can be picked up anywhere; several private companies operate by hire. Uber is also available.



● Royal Society of Edinburgh venue

● Heriot Watt University venue

## CONFERENCE PROGRAMME

**24-25<sup>th</sup>** Conference keynotes, papers, posters and discussion. Topics will include:

- Contourites – modern-ancient, shallow-deep, ichnofacies, microfacies and fabric
- Bottom currents – complexities and controls, eddies and benthic storms, internal tides
- In-situ seafloor observation and measurements
- Process interaction – downslope and alongslope processes, hybrid deposits
- Gateways and controls – sediment budgets, contourite cyclicity, organic carbon
- Seismics and subsurface – sequence stratigraphy, petrophysics and image logs
- Significance – paleoceanography and climate, slope stability and tsunamigenesis, reservoirs and source rocks, bio-diversity and socio-economic impact

**24<sup>th</sup>** Icebreaker Reception – The Dome, George Street from 18.30 (free to all participants)

**25<sup>th</sup>** Conference Dinner – the Heights, Apex Grassmarket Hotel, Grassmarket (free to all participants)

**26<sup>th</sup>** Workshops and discussion sessions. Note that some topics may be combined and others added.

- Sediments and thin sections: a core and petrographic workshop
- Deep Ocean Drilling: an IODP workshop with a focus on Pacific Ocean targets
- Contourites, bottom currents, hazards and pollutants
- Hybrid systems and Shallow-water contourites
- Others: TBD

## KEYNOTE PRESENTATIONS

- Elda Miramontes (MARUM, Bremen): *Can internal waves control the formation of channels, contourite drifts and cold-water coral mounds in upper continental slopes?*
- Javier Hernandez-Molina (Royal Holloway, London): *Everything You Always Wanted to Know About Contourites (But Were Afraid to Ask)*
- Lesli Wood (Colorado School of Mines, Denver): *“Deepwater” processes and deposits in shelfal and upper slope settings: A reconsideration of paradigms.*
- Michele Rebesco (OGS, Trieste): *Contourite erosional features: new observations and process implications*

## FIELD TRIPS

**BOTH Scottish geo-transect and Cyprus excursions have had to be cancelled to low uptake**

**Pre-conference excursion 18-23 May: Scottish geo-transect** from Edinburgh to the western isles – principal geotectonics and sedimentary successions of Scotland, castles, lochs and scenery.

Cost: **£975** pounds sterling (includes transport, accommodation and meals)

Registration: via Eventbrite/Website [www.4dwc.hw.ac.uk](http://www.4dwc.hw.ac.uk) . Minimum/maximum: 8-24

**Post-conference field excursion 28 May – 2 June: Cyprus contourites** to see the world’s foremost field analogue, Oligo-Miocene calci-contourites as well as to visit the Troodos ophiolite and archaeological sites.

Cost: Field trip **875** Euros (includes accommodation, breakfast and lunches (no dinner), local transport/coaches for Airport to hotel and field days, field guide, but *not* flight travel in and out to Cyprus)

Registration and flights: via Mar Avenadano (Airbus Travel Agency) [mar@airbusgalicia.com](mailto:mar@airbusgalicia.com) +34 986 432 000

Minimum/maximum: 10-50

**Day excursions 27<sup>th</sup> May: Hutton’s Unconformity**, Siccar Point (full day) £25 for transport; **Arthur’s Seat**, City of Edinburgh (half day) – free.

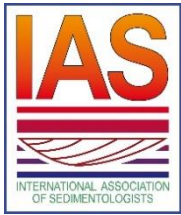
**Evening tour 24<sup>th</sup> May: Building Stones of Edinburgh** (two hours, free), City of Edinburgh.

**Full details and itineraries for all excursions are available on the website** [www.4dwc.hw.ac.uk](http://www.4dwc.hw.ac.uk)

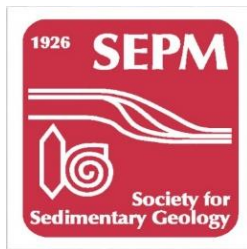
We are very grateful to all our sponsors



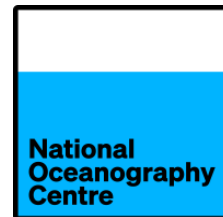
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