



2nd February 2024

LGS Newsletter 165.9

Liverpool Geological Society Events

These events will be held in **Lecture Theatre C** in the Central Teaching Hub, University of Liverpool. **Entrance will be via the main door. Please be aware that for security reasons, the building manager may lock the main door to stop access from outside at some time after 7.30pm. If you arrive late and are unable to gain access, you may need to contact someone inside the lecture to let you in.**

Tuesday 20th February

Lecture by Hazel Clark (Liverpool John Moores University)

Title: What do a 90m long tapestry; a diamond beach; a garden of crystals and buildings designed to look like lava flows have in common? The LGS 2024 field visit to Iceland.



Hazel working on the Njal's Saga Tapestry on a previous LGS excursion to Iceland.



The dramatic landscapes of Iceland are mostly created by volcanic and glacial activity or a (usually catastrophic) combination of the two. This tour of the island will explore the scenery of the "Land of Ice and Fire", from effusive to explosive volcanoes; the largest icecap in Europe, spectacular coastal scenery and the devastating effect that a major landslide can have on a small community.

Tuesday 27th February

Lecture by Prof. Nick Smith, National Nuclear Laboratory (NNL), Warrington

Title: Nuclear waste disposal.

Nick Smith, NNL Fellow in Geology, was appointed as Honorary Professor in the Department of Earth, Ocean and Ecological Sciences at the University of Liverpool in March 2023.

Nick, who led NNL's geology, geographical information systems and remote sensing technical areas for 14 years, is working with NNL and the University to further develop the collaboration, exploring topics such as deep geological disposal, contaminant geology, sedimentology, structural geology and tectonics, to underpin the UK's commitment to Net Zero 2050.



Updated schedule of LGS excursions in 2024

The programme for summer 2024 is currently:

9th June - The Triassic of NW England. Field excursion organised by Neil meadows.

29-30th June - Upper Gilwern Quarry near Llandrindrod Wells: trilobite collecting with Mike Stoddart.

7th July - Austwick. Study of the Craven Inlier. Field excursion organised by Peter Burgess.

1-10th August - Iceland. Field excursion organised by Hazel Clark via Izzy Tours.

Further details of these excursions will be provided nearer the time of each excursion.

Additional excursions may be added to this list.

Liverpool Geological Society Annual Dinner

This will be held on **Tuesday 19th March 2024** at Villa Romana, 6 Wood Street, Liverpool, L1 4AQ at **7 pm** and bookings and payments for this event must reach the Treasurer (Gary. T. Billington) **by 5th March**. Details are shown below:

First Course: Choice of

- Soup of the day.
- Insalata Caprese: Salad of mozzarella cheese, tomato and fresh basil.
- Funghi Trifolati: Sautéed mushrooms served with crusty bread.
- Bruschetta.

Main Course: Choice of

- Tortelloni Basilico - large pasta filled with ricotta cheese and spinach, with a Napoli cream sauce. Oven baked & topped with mozzarella cheese.
- Pizza Prosciutto e Funghi - pizza with mozzarella cheese, tomatoes, Parma ham & mushrooms.
- Filetto di Salmone - grilled fillet of salmon served with lobster bisque sauce with vine cherry tomatoes.
- Pollo Villa Romana - pan fried breast of chicken served in a creamy mushroom sauce. Served with a side of sautéed potatoes.

Desserts from the trolley

Tea/Coffee

Cost: £35.75 per head (including a 10% tip)

Guests can pay for any extra drinks ordered at the end of the meal.

Please indicate your choice of food on a printout of this page and add your name.

Either hand your menu choice sheet and cash payment (or a cheque made payable to Liverpool Geological Society) to The Treasurer at the LGS meeting to be held **on 5th March** in the Central Teaching Hub, University of Liverpool.

Or post this menu choice sheet with a cheque* made payable to Liverpool Geological Society to The Treasurer **by 5th March**.

Gary's address is shown below.

Gary T Billington, Honorary Treasurer, Liverpool Geological Society, 4 Lewisham Road, Liverpool L11 1EF

*If you would prefer to make a direct payment to the Society, please email Gary for details of the account.

Name: _____

Payment by: cash/ cheque/ direct payment

Down to Earth

Electronic copies of this publication are available for LGS members. If you would like a pdf copy of the most recent publications: DTE Extra numbers 132, 133 and 134 please email Maggie Williams (Secretary) at lgssecretary19@gmail.com and copies will be emailed to you.

Herdman Symposium 2024

51st HERDMAN SYMPOSIUM ENERGY AND SUSTAINABILITY

Saturday 17th February 2024

Time: 9.30am-5pm
Drinks reception: 5pm-6pm
**Location: Central Teaching Hub,
University of Liverpool**
**Tickets available at:
<http://tinyurl.com/28ty3kx7>**



SPEAKERS

Dr Frances Cooper (University College London) Tectonics, climate, and copper in the Central Andes	Dr Kathryn Moore (Camborne School of Mines, University of Exeter) Geoenergy, critical metals and responsible mining
Dr Jessica Pugsley (University of Aberdeen) Virtual outcrops in the modern geological toolkit	Dr Joshua Griffiths (National Nuclear Laboratory) Nuclear Waste Management and Disposal in the UK
Dr Jeremy Sloan (University of Warwick) Perovskites in Geology and Materials Science: from Igneous Rocks to the Picoscale	Dr David McNamara (University of Liverpool) Mineral processes impacting geological solutions for Net Zero




Tickets are now available via: <http://tinyurl.com/28ty3kx7>

LGS Members' tickets cost £11.00. A free buffet lunch will be provided to all attendees included with the ticket price. All tickets include entry to both the Symposium and a wine reception held at the University afterwards. One free drinks voucher will be provided to each attendee for the wine reception.

Please note: The last booking date for this event is 9th February 2024.


Dales Rocks: geology and more!

	<p>The Yorkshire Dales National Park was designated in 1954 in large part due to its stunning geology. The Dales Rocks website has been designed to help you explore and learn more about this special part of the Yorkshire Dales.</p> <p>For more information go to: https://dalesrocks.org.uk/</p>
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Cumberland Geological Society

Wednesday 7th February 2024 at 7.30pm. Meeting opens 10 minutes before.

Zoom lecture by Prof. Tim Lenton: Tipping positive change to avoid climate tipping points

	<p>Tipping points in climate science normally refer to small changes in the Earth system that unleash much broader, typically damaging impacts that accelerate climate change. Well-known examples are rising sea levels due to disintegration of the Greenland and West Antarctic ice sheets, or the release of methane from the thawing permafrost.</p> <p>Tim will summarise recent evidence regarding climate tipping points, which supports declarations that we are in a 'climate emergency'. He will turn to identifying positive social tipping points that will need to be triggered to have any hope of limiting global warming to well below 2°C.</p>
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Zoom link: <https://us06web.zoom.us/j/88260221231?pwd=taLij88UbbLdPmRLW77OkPkAuwR0nT.1>

Meeting ID: 882 6022 1231

Passcode: 154012