



Welcome to the fortnightly Geological Society newsletter.

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Geology and the 2015 General Election



Following the dissolution of Parliament on 30 March, the 2015 General Election campaign is now officially underway.

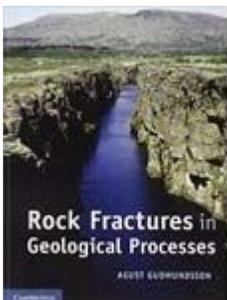
The Geological Society has put together a list of useful resources to aid Fellows, or members of the public, when raising issues relating to the economic and societal importance of geology (and science more widely) with parliamentary candidates, or when discussing these matters with friends and colleagues.

[Visit the website to access the resource](#)
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Library and Information Services

New E-book Collection for Fellows



The Library has launched a new e-book collection for Fellows.

20 e-books are now available via Dawsonera, a platform which includes books from a wide range of publishers, and can be accessed using [Athens logins](#) (the same details used to log in to the Library's electronic journals).

Four of the books are new additions to the Library and unique to the e-book collection: *Atlas of benthic foraminifera*, *Hydrogeology. 2nd ed.*, *Rock Fractures in Geological Processes*, and *Tectonics of sedimentary basins*.

To view the titles available please visit the [Virtual Library](#); you will find a brief synopsis of each book as well as full details of how to access it. The books can be read online or downloaded for a pre-set period, and pages can be printed and saved, subject to the copyright limit.

If you have suggestions for e-books we might purchase, or feedback on the new collection, please [contact us](#).

[Visit the Virtual Library](#)
Email [Library](#) for more information
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Recent Special Issues in the Virtual Library

The Recent Special Issues section of the Virtual Library contains details of thematic special issues from e-journals which are available to Fellows. These include both the [Library's 'Athens' login journals](#) and ones which are freely available online.

New special issues on the following topics have been added to April's section.

- [Cimmerian terranes](#)
- [Human-environment interaction during the initial peopling of the Americas](#)
- [Luminescence dating](#)
- [The origins of recycling](#)
- [Silurian osteostracans of the East Baltic](#)



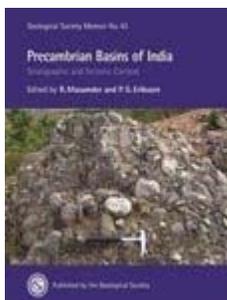
Athens authentication can also be used to access more than 90 other journals from leading publishers.

[Visit the website for more information](#)
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Publications

New Publication from the Geological Society: Memoir 43



Precambrian Basins of India: Stratigraphic and Tectonic Context

Edited by R. Mazumder & P.G. Eriksson
Published 30 March 2015

This Memoir provides a comprehensive review of the Precambrian basins of the four Archaean nuclei of India (Dharwar, Bastar, Singhbhum and Aravalli-Bundelkhand), encompassing descriptions of the time-space distribution of sedimentary-volcanic successions, the interrelationship between tectonics and sedimentation, and basin histories.

[Visit the website to read more](#)

Email: [Bookshop](#)

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Events

Arthur Holmes Meeting 2015: Tsunami Hazards and Risks: Using the Geological Record

Date: 25 September 2015

Venue: The Geological Society, Burlington House, London

REGISTRATION IS NOW OPEN

With Earth's growing population clustered increasingly on coastlines, tsunami hazards are of concern worldwide. Within the framework of the bilateral agreement between the Geological Societies of London and Japan, a linked pair of one-day symposia is bringing together geoscientists and risk assessors to assess tsunami hazard in an integrated manner, with a view to facilitating more quantitative and evidence-based evaluation of their scale, nature, location and timescales.



Thematic sessions

- Tsunamis in Europe and the Atlantic Margins
- Tsunami Impacts
- Risk and Hazard Modelling

Travel Grant

[Arthur Holmes Travel Grants available](#). To be considered for the 2015 Grant please complete the Application form and return to Jess Aries by 17 April 2015.

[Visit the website to register or download the form](#)

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Sustainable Exploitation of the Subsurface



Date: 20 - 21 May 2015

Venue: The Geological Society, Burlington House, London

REGISTRATION NOW OPEN

It has long been recognised that the subsurface is a complex, scarce and valuable resource. With urbanisation, society is now becoming more reliant on using the subsurface for physical infrastructure (e.g. underground networks such as utilities & transport) and for the storage and containment of resources (energy & water) and waste (CO₂ & Radioactive Waste), in order to provide the essential support to a well-functioning society. With this development comes increased pressure on space and resources and increasingly, underground development.

Critical to accommodating this is a requirement for a good understanding of the subsurface beneath our feet and importantly how the ground will respond to various events, now and in the future (e.g. climate change &/or increased urbanisation).

The programme for this meeting has now been published. [To view the programme and for more information, visit the website.](#)

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Society Meetings: Final Call for Abstracts

William Smith Meeting 2015 (Part 2)

Date: 5 November 2015

The second William Smith Conference will look to the future of geological mapping, and will open with a keynote by Professor Iain Stewart on the grand challenges for geoscience that will motivate the 'William Smiths' of tomorrow. [We welcome both poster and oral presentation contributions - deadline 31 May 2015.](#)



Geology of Geomechanics

Date: 28 - 29 October 2015

For this meeting we encourage submission of papers that address the full spectrum of geomechanics applications. We aim to promote lively discussion and closer collaboration among and between geologists and engineers - both researchers and practitioners. [Submit an abstract by 1 June 2015.](#)

Geomechanical and Petrophysical Properties of Mudrocks

Date: 16 - 17 November 2015

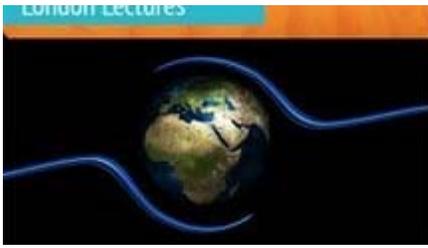
The scope of this meeting encompasses studies of strength and frictional behaviour, time-dependent creep, hydraulic fracture development, permeability, electrical conductivity and acoustic wave propagation. [Submit poster and oral presentation contributions by 31 May 2015.](#)

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London Lecture: Earth's Climate Evolution



Date: 15 April 2015



Venue: The Geological Society, Burlington House, London
Webcasts at 3pm and 6pm

Developments in different branches of science, including geology, have provided us with the basis for a coherent theory of climate change. The past 20 years have seen dramatic advances in our knowledge of the variability of past climate, and its causes, which underpins

understanding of what our climate is doing now and may do in the future (following Hutton's dictum that the past and the present are the keys to what happens next).

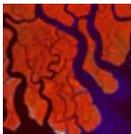
These advances, many of them only reported in scientific journals, deserve to be more widely known. They show that our climate operates within narrow natural envelopes. We should still be in the Little Ice Age envelope, but our emissions have moved our climate into new territory. Man has become a geological agent.

The lecture is fully booked, but a live webcast will be available on the day. Details will be added to the event page.

[Visit the website for more information](#)

Follow us on Twitter: [#gslecture](#)

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Education & Careers

The Geoscience Education Academy: Free Training for UK teachers

Do you know a science or geography teacher who would like to learn more about teaching geoscience?

Now in its fifth year, the Geoscience Education Academy provides free curriculum-led training for UK teachers. Running from 23 - 26 July, at Burlington House, it's a great opportunity for non-geologists to gain support and resources to teach the geoscience part of the curriculum. It's also a fantastic refresher for existing Earth science teachers and a chance to network and share ideas.

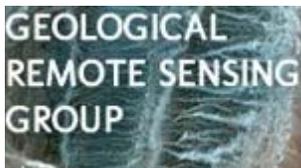


Fully accredited, with training by experienced teachers / examiners, the GEA is completely free to attend with all travel reimbursed and accommodation provided. Hurry, as places are limited.

[Register and see photos/feedback from last year](#)

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Geological Remote Sensing Group Student Awards



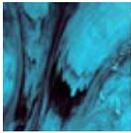
Every year the Geological Remote Sensing Group (GRSG) offers up to three awards of £750 each. The aim is to reward and aid students who are engaged in geoscientific remote sensing research.

[Apply for an Award](#) - Deadline 10 April 2015



These awards may be used to support laboratory work, fieldwork, data/software purchases, attendance at conferences, and international collaborations.

[Visit the website for more information](#)
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Groups & Networks

Upcoming Events

Visit the individual event pages for more information.

East Midlands Regional Group: [Mineralisation in the Cheshire Basin](#)

Date: 14 April 2015

Venue: BGS, Keyworth

South East Regional Group: [Landslides, Dams and Hydroelectricity in the Dolomites of NE Italy](#)

Date: 14 April

Venue: Atkins, Surrey



Engineering Group: [Case Studies in Engineering Geology](#)

Date: 16 April

Venue: Burlington House, London

North West Regional Group: [Historical Lead Mining at Halkyn Mountain](#)

Date: 16 April

Venue: University of Chester, Chester

Hydrogeological Group: [Instrumenting Groundwater - Novel Technologies for Groundwater Research](#)

Date: 21 April

Venue: The Priory Rooms, Birmingham

Western Regional Group: [Mine Water Temperatures in the South Wales Coalfield: A Potential Source of Low-Carbon Heating Energy](#)

Date: 21 April

Venue: Atkins, Bristol



Central Scotland Regional Group and the Engineering Group: [Ground Source Heating](#)

Date: 21 April

Venue: Glasgow Caledonian University, Glasgow

Solent Regional Group and ICE Southern Geotechnical Group: [The Stratigraphy of the Lambeth Group and its Effects on](#)



[Engineering Properties](#)

Date: 21 April
Portsmouth

Venue: University of Portsmouth,

Southern Wales Regional Group: [William Smith \(1769 - 1839\)](#) [200 Years of the the 1st Nationwide Geological Map](#)

Date: 21 April

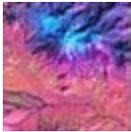
Venue: Cardiff University, Cardiff

South West Regional Group: [Dawlish Rail Slope Stability Works](#)

Date: 22 April

Venue: The Ley Arms, Kenn

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Other News

The Royal Society: Continental Loss: The Quest to Determine Antarctica's Contribution to Sea-level Change



Date: 21 April 2015

Venue: The Royal Society, London

For over 50 years scientists have been working to understand Antarctica's contribution to sea level. For much of this time there has even been disagreement about if this massive ice sheet is growing or shrinking.

This event is free to attend and open to all. Doors open at 6pm and seats will be allocated on a first-come, first-served basis.

[Visit the website for more information](#)

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Minerals @ Manchester

Date: 22 April 2015

Venue: The Dalton Suite, University of Manchester

The University of Manchester welcomes visitors to a showcase meeting. It's purpose is to show both the range and quality of their research related to the minerals and allied industries.

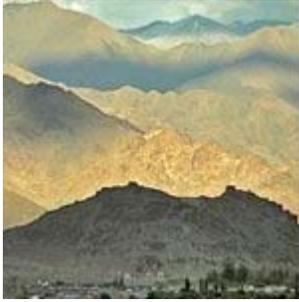
New prospective project partners are welcome to see what they do best and explore working together in the future.

[Visit the website for more information](#)

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Upcoming Courses



Micromine

[Introduction to Micromine: two day course](#)

Date: 14 - 15 April 2015

Venue: Challoner House, London

Endorsed CPD Course

Cost: £110

[Resource Estimation in Micromine: two day course](#)

Date: 16 - 17 April 2015

Venue: Challoner House, London

Cost: £500

University of Cambridge - Institute of Continuing Education: [Evolution and the Fossil Record](#)

Date: 17 - 19 April 2015

Venue: Madingley Hall, Cambridge

Cost: £250

Edumine: [Webcast - Establishing and Maintaining Social Licence to Operate in Mining](#)

Date: 21 April 2015

Venue: Live webcast

Cost: CAD 510

Finding Petroleum: [Petroleum Geology of East Africa](#)

Date: 21 April 2015

Venue: Burlington House, London

Cost: £500

Fugro Engineering Services

[Soil and Rock Logging in EC7](#)

Date: 21 April 2015

Venue: Furgro House, Wallingford

Cost: £265 + VAT

[Cone Penetration Testing \(CPT\)](#)

Date: 23 April 2015

Venue: Glasgow

Endorsed CPD Course

Cost: Free

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The Great Geobakeoff is Back!

The success of last year's geobakeoff challenge sees us here again in 2015. This year's theme is - **Mud with a Smattering of Smith** - to incorporate and celebrate the [200th anniversary of William Smith](#) and the [Year of Mud](#).

The rules: we'll award points for completion of the challenges ([see the 31 March blog article](#)), and there will be ten winners.

*10 bonus points, for incorporating an edible rock hammer USB in your bake.



Prizes: Once again, at stake are our much coveted limited edition geological USB hammers, plus a Mystery Prize....

Deadline: You have until 5 May. Submit your images/videos/other evidence to [@geolsoc](#) using [#geobakeoff](#), or email them to sarah.day@geolsoc.org.uk.

[Visit the Geolsoc blog to find out more](#)
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