



Newsletter of the Extractive
Industries Geology Conferences

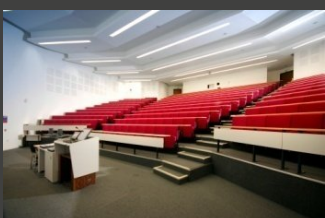
EIGConferences

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The Calman Learning Centre
Venue at Durham University



EIG 2018 - Durham University Wed 12th to Fri 14th September 2018

2018 Conference Programme

The programme for EIG 2018 has now been finalised. Twenty-nine 25-minute technical papers will be presented over two full days in a series of themed sessions. As well as the introductory session, including a review of the local extractive industry, the themes will include: **groundwater issues, resource development, techniques & innovation, resources & reserve evaluation, mineral restoration, resources & community, and geotechnics.**

These are in addition to the 10th Ansel Dunham Memorial Lecture, this year presented by Dr. Alan Thompson of Cuesta Consulting Ltd. His paper, entitled "**A Question of Balance**" will explore the art of balancing the need for mineral extraction against the need for environmental and landscape protection, including mechanisms for achieving that balance.

Also included in the programme this year will be two plenary discussion forums: one on **The Future of Mineral Extraction and Geology in the UK**, led by Dr. Ian Selby, Chairman of the UK Minerals Forum (UKMF); and one on **The Role of The Environment Agency in UK Minerals Regulation**, led by Jim Davies of the Environment Agency.

A short session at the beginning of the second day will provide opportunities

for five presenters of **posters** to give five-minute introductions to their work. These will include posters submitted by EIG bursary students and there will be a £100 cash prize for the best one, as judged by members of the organising committee. The winner will be announced at the **Annual General Meeting**, which will take place during an extended lunch break on the second day of the conference, prior to the final plenary session on the subject of Geotechnics.

As always, the programme allows plenty of time for networking and socialising with opportunities to look at trade stands and posters. An Icebreaker Reception and buffet will be held at Durham Castle on the evening of 12th September, and the Conference Dinner will be held at the same venue at the end of the first full day of the conference (13th September). Field trips will, as usual, be held before and after the conference, on the 12th and 15th September





EIG 2018 Nominated Charity - Raffle Prizes Needed

The EIG Organising Committee are pleased to announce this years Conference Charity is the Great North Air Ambulance.

This years charity raffle will donated to this vital service. Costing over £4.6M a year to run the three helicopters, our Conference will as always dig deep to help. The service relies on the support of the public to survive.

If you have any prizes to donate for the raffle please let Paul Jennings know at:

paul.jennings@cemex.com



2018 EIG Booking Form

The EIG 2018 booking form is attached to the newsletter email. Please send completed forms to the EIG Treasurer, Lee Clarke at :

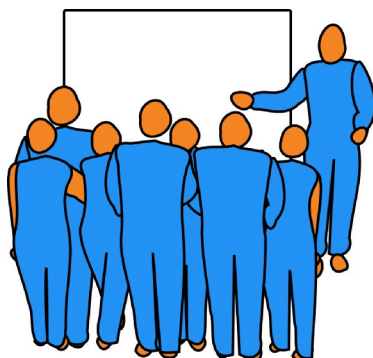
lee.clarke@eigconferences.com



The Early Bird discount saving you £95 on a 2 day Conference pass (including the Icebreaker and Conference Dinner) ends on the 14th July, book early to save !

Trade Stands

The trade stands are going fast with only nine currently remaining. The Trade Stands will be on the second floor of the Earth Sciences building and will have great footfall as this is the location for teas and coffees for the conference. A 3m stand is only £375. Please contact John Peate for a booking form : John.Peate@hanson.biz



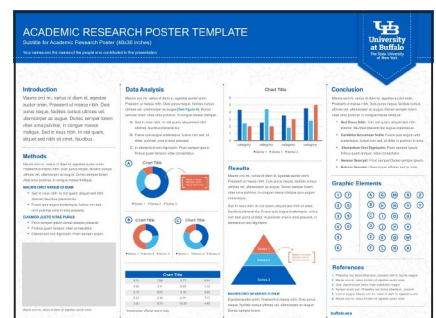
Sponsorship Opportunities

There are many new opportunities at the EIG Durham 2018 Conference to sponsor an event and get your business noticed ! These include Icebreaker Drinks, Conference Dinner Drinks, Session Advertising, Session Break Advertising, Conference Bag Inserts and EIG Approved Promotional Items. For further information on these opportunities please contact Anne Smith at: anne@apsgs.co.uk



Call for Posters !

There is a further call for posters to be presented at the 2018 Conference. A short 5 minute presentation opportunity for the best 5 selected posters will be given on the second day of the conference, along with a £100 cash prize for the best Bursary Student poster, (as selected by the organising committee - to be presented at the AGM).





Shotton Surface Mine and Northumberlandia, Cramlington, Northumberland

Approx. 45mins north of Durham

EIG 2018 Field Trips

All field trips will include an element of visiting active extractive sites. Please be prepared to bring full PPE on all visits, including high visibility clothing, hard hat, boots, gloves and safety glasses. All field trips will be on Wednesday 12th September with the exception of Weardale on Saturday 15th September.

This trip will take us to visit Banks Group's Shotton open cast coal mine. We will observe workings in the final phase of extraction of what was once one of the UK's largest extractive operations (c.400ha / 988 acres). Our hosts will demonstrate their commitment to restoration of sites and safe and responsible mining practises. And any trip to area would not be complete without a walk up the Lady of the North, part of the Northumberlandia public park created as part of the Shotton restoration.



Crimerigg Quarry

Crimerigg & Hawthorn Quarries – A journey through the Permian Magnesian Limestone

Approx. 20mins east of Durham

Barrasford Quarry, Northumberland

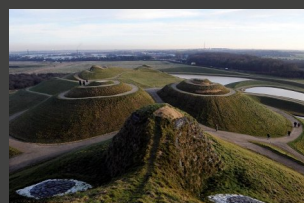
Approx. 50mins North west of Durham



Todhills Brickworks

We will begin with a visit to Crimerigg Quarry, hosted by the operator Breedon Aggregates. The quarry produces construction aggregates from the Raisby Formation, the earliest of the Magesian Limestone sequence and the source rock for numerous large aggregate quarries in the area. Crimerigg also extracts the underlying sand from the coastal dune sequences found beneath the limestone. We will then travel a short distance to Tarmac's mothballed Hawthorn Quarry. Hawthorn Quarry once extracted high purity dolomite from the middle 'Ford' and upper 'Roker' formations of the Magnesian Limestone. The site contains a geological SSSI due to the exposures of the reef-edge limestone facies and rare fossil stromatolites.

We will be hosted by Tarmac at their Barrasford quarry on the outcrop of the Whinsill in Northumberland. The site is a large quarry producing construction aggregates from the Whinsill igneous intrusion as well as the Carboniferous Limestone country rock. We will have a chance to see the safe and efficient working practises undertaken at the site, and understand the challenges of quarrying in this setting.



Shotton Opencast & Northumberlandia

Weardale – North Pennines AONB and Geopark. Approx. 40mins west of Durham

Todhills Brickworks and Long Lane Quarry

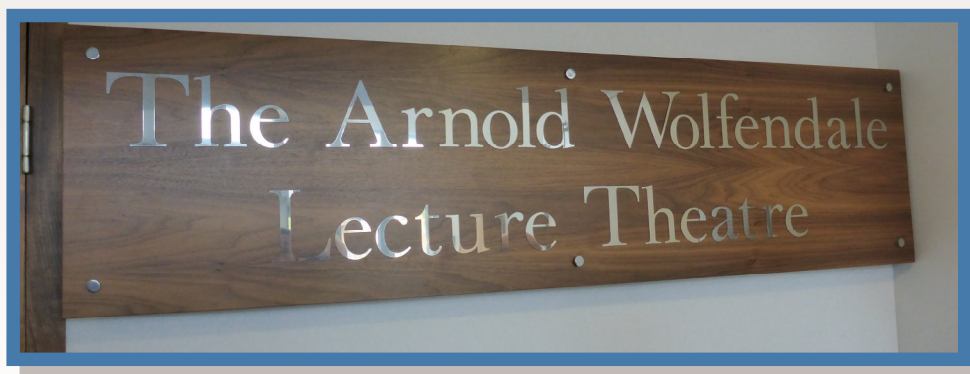
Approx. 25 mins south of Durham

A longer trip taking in aspects of the geology and mining history of the upper Weardale area in the North Pennines Area of Outstanding Natural Beauty and European Geopark. The final itinerary is yet to be confirmed, but will include a visit to Aggregate Industries' Heights Quarry, and parts of the Slitt Wood and West Rigg Geotrail which leads through historical areas of mining where iron, lead, and fluorite were worked extensively. The fieldtrip will be led by Prof. Peter Scott, and will provide a fantastic finish to the 2018 conference.



Barrasford Quarry

The visit will include a tour of Weinerberger's modern Todhills brickworks near Bishop Auckland where we will be shown the automated processes used to make a variety of popular brick products at the factory. We will then visit their extraction site at Long Lane Quarry adjacent to the factory, to view exposures of the coal measures sequences that are exploited for brick production.



Wanted By EIG !



The EIG committee is looking for someone to assist in running the EIG One day meeting, with guidance from Geoff Walton who has organised the meetings in previous years, and to take over future one day meetings. Geoff will be 80 next year and thinks it is time that younger members of our community play their part! If you are interested will you please contact Clive Mitchell at:

cjmi@bgs.ac.uk



Interested in EIG? Then please attend the AGM !

The EIG conference organising committee is a group of volunteers drawn from professionals working in industry, scientific research and academia. Membership of the committee is open to all who are interested in the UK's extractive industry from a geological perspective. The roles undertaken by individual committee members are quite varied and suit a wide range of knowledge and experience. The committee itself meets 3 to 4 times per year. If you would like to know more about the EIG, please come along to the AGM which will be held at 13.45 on 14th September, as part of the EIG 2018 conference in Durham. Alternatively, please feel free to consult the Chairman and Secretary at the email addresses over.

Election of chairperson

Each EIG conference has a chairperson who is elected from within the organising committee. The election of the EIG 2020 chairperson will be undertaken in a slightly modified way from previous conferences. Proposals for the new chairperson will be made by the organising committee over the next few months and the election will take place by vote at the AGM. All are welcome to attend and witness in this vote.

Ansel Dunham Lecturer

The prestigious Ansel Dunham memorial lecture is delivered at the start of each EIG conference by a respected and authoritative speaker. To improve transparency and ensure the opportunity to deliver this important lecture is available to all, the EIG organising committee has agreed on a new selection process for identifying the speaker for EIG 2020.

invited to submit a nomination for the Ansel Dunham lecturer to papers@eigconferences.com by the 31 December 2018. All nominations will be considered by the papers sub-committee and a recommendation will be made to the full EIG organising committee, who have the final decision.

Next EIG 1 Day Meeting 19th June 2019

In 2013, 2015 and 2017 the EIG held successful one day technical meetings in Warwickshire covering in detail 3 of the 4 main topic areas which are generally included in our 2 day Conferences. So far we have covered geotechnics, hydrogeology and exploration and investigations. The topic for next year will be on environmental geoscience and its implications for the extractive sector. Since most, if not all, mineral operations are subjected at some stage to Environmental Impact Assessments (EIA) this is something of which we are all aware and may impact upon other design and planning operations. As previously the intention is to have invited keynote speakers in areas such as landscape applications, restoration, working in areas contaminated or impacted by previous mineral workings, groundwater quality/chemical issues and air quality etc.

Main EIG 2018 Contacts

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