



Earth Science Teachers' Association
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Main Event Sponsors

Earth Science Teachers' Association Annual Course and Conference 29th September – 1st October 2017

Keele University,
Staffordshire

Theme: Education and Geoconservation



Introduction and General Information

The School of Geography, Geology and the Environment at Keele University look forward to welcoming you to the 50th Anniversary ESTA conference.

The conference has twin themes of education and geoconservation. ESTA's anniversary gives us the opportunity to both celebrate the last fifty years of geoscience education and look forward to, and plan for, the next fifty.

With imminent changes to the geology A-level curriculum, many of the talks and workshops will focus on how these changes will affect you and provide updates on areas such as plate tectonics, planetary geology, engineering geology, maths in geology, fieldwork and the new specified practicals. We will also host Chris King's ever popular "Bring and Share" Session.

Saturday evening sees the 50th Anniversary Conference Dinner in the stately setting of our 19th century mansion house, Keele Hall.

At the heart of geology is the concept of geodiversity, the natural range of geological, geomorphological, soil and hydrological features including their assemblages, structures, systems and contribution to landscapes. The endeavour of trying to conserve this geodiversity is geoconservation, protecting and enhancing geology and landscapes. Geoconservation work not only maintains SSSI and LoGS sites for school and other use but also offers practical opportunities for volunteering and engaging future generations of geology students. One of the fieldwork visits to the Staffordshire Peak District will discuss potential geoconservation aspects in field teaching as well as looking at the geology. GeoconservationUK, in conjunction with ESTA, developed "Earth Science On-Site – ESO-S", publishing examples of high quality Earth Science field teaching activities for schools. These are intended as exemplars and may be adapted by teachers for use at other sites. A couple of these local ESOS sites will be visited with field visits. David Thompson's ESTA legacy will also be celebrated with a re-running of his Darwin Trail visit by Chris King.

As it's the 50th anniversary we are taking the opportunity of inviting inaugural members and previous post holders to join the conference on Saturday which will be a great opportunity to meet and discuss the old times as well as the opportunity to share looking into the future! Please do get in touch if you know someone who meets this criteria so that we can ensure they are invited!

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This information is to enable you to make your choice of sessions, packages, accommodation etc and to plan your travel to the conference. The programme is subject to alteration, please visit the website www.esta-uk.net to check for any changes. If you book for a session which is subsequently changed we will contact you before the conference.

Venues:

- Keele University, Chancellor's Building
- Keele University, Keele Hall

Conference fees and booking information

As an educational event (and any surplus is used to support the work of ESTA) we do not, under current regulations, have to charge VAT. ***Early bird bookings end on the 8th September 2017.** After this date a £20 supplement will be charged.

Packages	
Full package includes <ul style="list-style-type: none"> • Friday afternoon Teacher Training for the Practical Endorsement • Friday evening buffet and drinks reception • Friday evening keynote presentation • Saturday conference (refreshments and lunch) • Saturday evening drinks reception and conference dinner • Sunday fieldwork visit (packed snack/lunch provided) 	£170
Friday and Saturday package includes <ul style="list-style-type: none"> • Friday afternoon Teacher Training for the Practical Endorsement • Friday evening buffet and drinks reception • Friday evening keynote presentation • Saturday conference (refreshments and lunch) 	£130
Saturday Conference only <ul style="list-style-type: none"> • Saturday conference (refreshments and lunch) 	£110
Primary Workshop <ul style="list-style-type: none"> • Saturday Primary workshops (including refreshments and lunch) Includes free rock kit and materials 	£80
Optional extras to booked package or additional person -	
Friday evening buffet (including keynote presentation and drinks reception)	£22
Saturday evening drinks reception and conference dinner	£35
Sunday fieldwork visits (packed lunch provided)	£25
Bookings received after 8 th September 2017 – late booking charge	£20
Exhibitor – Saturday (including registration pack, refreshments, lunch – 1 person) £10 for each additional person and/or a supplement for those booking a full conference package	£60 (+£10 pp)

Booking confirmation and payment: Confirmation of booking together with your invoice will normally be sent within 5 working days of receipt of the booking form. Payment can be made by cheque accompanying the booking form, or by cheque or BACS on receipt of the invoice. If paying by BACS, please ensure that your invoice number is given as a reference. If your institution issues purchase orders, please ensure that a copy is sent with your booking form and that the number is provided on your booking form. ALL PAYMENTS MUST BE RECEIVED BEFORE THE CONFERENCE.

ESTA has two bank accounts please ensure that the correct account is used.

Name of account: Earth Science Teachers' Association Conference

Account number: 30592706, Sort Code: 20-50-36, Bank: Barclays, Liscard Branch.

Cancellations: A 50% refund will be made for all bookings cancelled on or before 8th September 2017, thereafter no refunds will be made.

Joining information: Will be sent by email 2 weeks before the event and will be available on the website one week before the conference.

Accommodation: Accommodation is NOT included in any package. You are responsible for booking this yourself if required. A discount had been arranged at the Holiday Inn, Clayton Road, Clayton, Newcastle under Lyme (Stoke on Trent), ST5 4DL www.histokeontrenthotel.co.uk. Free parking is available at the hotel. Rates are £70 BB single occupancy, £80 BB double occupancy. These rooms are being held upto 6 weeks before the conference. Please refer to the conference website page for booking details <http://www.esta-uk.net/conference.htm>. Other accommodation information can be found at <http://www.visitstoke.co.uk/>

Parking and transport: There is plenty of parking available at Keele University Chancellor's Building and Keele Hall. You will need to use the pay and display on Friday but it is free on Saturday and Sunday. Transport between the Holiday Inn and Keele University is being provided during the conference, details to be confirmed in the joining information. Transport is also being provided for the fieldwork visits unless you choose to use your own vehicle to enable quicker onward travel at the end of the day. (Please do let the Conference Manager know if you intend to do this, so that capacity on the bus can be accounted for)

Meals:

Friday 29th September – For early arrivals there is a cafeteria in the main conference venue which will be open 8am – 5pm. Tea/coffee will be available during Registration which opens at 2pm. There will be an evening buffet also in this building at 6pm and a Drinks Reception from 8pm after the Welcome and Keynote Presentation.

Saturday 30th September – Refreshments will be served at Registration, mid morning and afternoon. A light buffet lunch will be served in the main exhibition area. In the evening the Conference Dinner will take place at Keele Hall, Keele University followed by a Barn Dance for those who wish to join in.

Sunday 1st October – Packed lunches will be available at departure for those going on fieldwork visits for the whole day and a morning snack will be available on the half day visits.

Exhibitors: The exhibition will be open on Saturday 30th September. The attendance fee per exhibitor is £60, which includes lunch and refreshments for 1 person, additional people can attend at £10 pp, or a single £10 surcharge for each conference delegate who also wishes to exhibit. There will be an opportunity to set up on Friday (details TBC). Optional extras are available to book.

Primary Session: A great opportunity for local schools to get involved in ESTA whilst at Keele, a separate programme for this session is available on the website <http://www.esta-uk.net/conference.htm> with take home items too! Refreshments and lunch will be provided and the opportunity to see the exhibitors.

Teacher Training for the practical endorsement: A level Geology Practical Endorsement CPD. The new A level Geology specifications for first teaching from September 2017 incorporate a Practical Endorsement in line with other science subjects. The two exam boards (OCR and WJEC Eduqas) which offer new A level Geology specifications will each run separate CPD to train teachers in the implementation of the Practical Endorsement on the Friday afternoon leading up to the ESTA Conference (29th September). Training in Practical Endorsement is compulsory for the lead Geology teacher in each centre. Attendance at the relevant exam board's event will be registered and attendees will not be required to attend the equivalent CPD hosted by their awarding body on alternative dates.

Conference Workshops: Synopses are available on the website: <http://www.esta-uk.net/conference.htm>

Fieldwork visits: These take place on the Sunday and full details are available in the programme. Spaces will be limited to coach sizes and will be reviewed depending on demand. If using your own car to join a fieldwork visit please let the Conference Manager know.

Join the 'Grand ESTA Bring and Share' session. ESTA is 50 but our 'Grand Bring and Share' is only 23, If memory serves us correctly, the first ESTA 'Bring and share' ran at Leicester University in 1996, inspired by David Thompson who said something like, 'we should celebrate what our own members bring to teaching'. Why has this B&S tradition continued for so long? You will have to ask those who attend and who present, but most people seem to enjoy the very varied and wonderful presentations, the sheer innovation and exuberance of ESTA members and their excellence in making their presentations – we are all teachers after all. Managing a B&S session is always a bit nerve-racking for the organisers, who have little idea of what will be presented and how, before it actually happens. But previous success has meant that the original one hour session has now grown to two hours, and it is still very difficult to fit in everything and everybody. So, if you are a presenter please let Chris King know what you are planning to present beforehand (chrisjhking36@gmail.com), and agree write a brief note on your B&S item for *Teaching Earth Sciences*. If you are a 'consumer' please just join us for the ride!

Bring and Swap Table

This is like 'Bring & Share', delegates can bring 'spare' rocks, minerals, fossils, maps etc to share/swap with other delegates (rather than sharing teaching ideas). This will be ongoing in the exhibition area throughout Saturday 30th September, in parallel with other activities. Ideally if they don't get taken you will need to take them back home!

EGM and AGM

The ESTA EGM and AGM will take place at 2.45pm on Saturday 30th September. All members are encouraged to attend. Papers will be available from the ESTA website a month before the conference for you to view/print. Council will have limited paper copies available at the meeting to reduce our costs of printing.

Membership of ESTA

There are many benefits of becoming a member of ESTA. If you aren't already a member, you can sign up at the same time as booking your conference place or visit <http://www.esta-uk.net/joining>.

Website links:

ESTA Conference	http://www.esta-uk.net/conference.htm
Keele University	Main postal address: Keele University, Keele, Staffordshire ST5 5BG https://www.keele.ac.uk/
Maps of Area	https://www.keele.ac.uk/findus/maps/
Travel to Keele University	https://www.keele.ac.uk/findus/
Main Conference Building Cafe	https://www.keele.ac.uk/foodanddrink/restaurantscafesandtakeaways/chancellorscafe/
Saturday night Conf Dinner & Barn Dance, Keele Hall	https://www.keele.ac.uk/ilas/keelehall/
Accommodation-	Discounted B&B for the Conference www.histokeontrenthotel.co.uk Other local accommodation http://www.visitstoke.co.uk/

To book a place at the conference please complete the booking form.
If you have any questions or would like to request hard copies of the documents, please contact-
Liz Lockwood, ESTA Conference Manager,
28 Pitsford Drive, Loughborough, Leicestershire, LE11 4NZ
Email: conference@esta-uk.net Telephone: 07597 814170

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4/07/17