

160th Session Founded 1859

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12/03/2019

Mar 19

Thomas Clifford, Principal Geotechnical Engineer and Maisie Mansfield, Geotechnical Engineer, Atkins meeting at 7.30pm  
in Lecture Theatre 137 of Liverpool John Moores University,  
Byrom Street L3 3AF

This evening lecture will look at the importance of geological modelling to help manage ground related risk whilst looking at the capability of new technologies to offer more insight into ground characterisation. Through several project examples ranging from a dam foundation to quarry excavations, highway cuttings to a reservoir wall, Tom will show how traditional methods, established and emerging technologies were used to understand the geological problem or communicate ground risk to stakeholders.

The final case study presented by Maisie Mansfield, considers the role of remote sensing mapping, utilising multiple sources of data including hyperspectral aerial imagery to provide a better understanding of ground conditions between intrusive ground investigation locations, to inform design and reduce geological risk.

6th April

Joint Field Meeting Rainhill Civic Society,

Leader :Joe Crossley:

Rock Around Rainhill

The almost 250,000,000 years old Triassic New Red Sandstone, easily accessible in buildings and exposures in and around Rainhill, is bursting with excellently displayed sedimentary features, which give a fascinating insight into the weather, landscape and ancient Geography of more than this part of England.

Start time:     Either 9.45 at the at the Dane Court Coffee Shop (SJ 4914 9150)  
                  car park near-by, off Weaver Avenue, accessed via Exchange Place from the A57.  
                  Breakfast/Tea/Coffee etc available  
                  Or 10.30 at Rainhill Railway Station, (SJ 4916 9160) Station Rd. off the A57.

Approximate finish time: 4.30pm at Pex Hill (SJ 5095 9095) -car park at this view point.

Approximate walking distance:, before lunch, at Manor Farm, (SJ 5020 8950) Mill Lane, Rainhill) 2 miles on pavements. After Lunch 2 miles on tracks/footpaths, including steps.

Message from your programme secretary

As the end of the session approaches preparations are already underway for the next 2019-20 session. If you have any ideas or (even better) contacts for talks please let me know asap.

Probably sometime in November there will be the popular members evening - this is dependent upon your contributions so keep one eye on the rocks on your Easter and Summer holidays. Short 10-15 min talks or something a bit longer up to 30 mins are welcome.

Feedback on the 2018-19 session would be appreciated.

Chris Hunt

LGS programme secretary

## CONTACTS

To make contact with officers of the society, please use the addresses given here.

This information is also available on the contacts page of the website at:

[www.liverpoolgeologicalsociety.org](http://www.liverpoolgeologicalsociety.org)

and also at:

[lgs.website](http://lgs.website).

Money and membership:

Mr Gary T Billington  
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