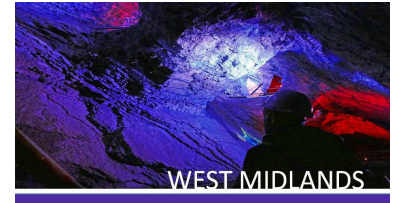




The Geological Society

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Early Careers Award Launch Event – West Midlands

Primary Speakers: Daniel Roberts (Atkins) and Samuel Hazel (Arup)

12th November 2019 | The Deritend Room, St Martin in the Bullring, Edgbaston Street, Birmingham, B5 5BB | Refreshments and networking from 6.00pm for a 6:30pm start

November's meeting is the launch of the West Midlands heat of the Geological Society's Early Careers Award. The awards are designed in order to recognise the work of geoscientists in the early stages of their careers. This is a great opportunity for young geologists to showcase their abilities and be recognised for the great work they are undertaking. To provide some inspiration, last year's West Midlands finalists will present their entries.

For more information on the award visit geolsoc.org.uk/earlycareeraward.

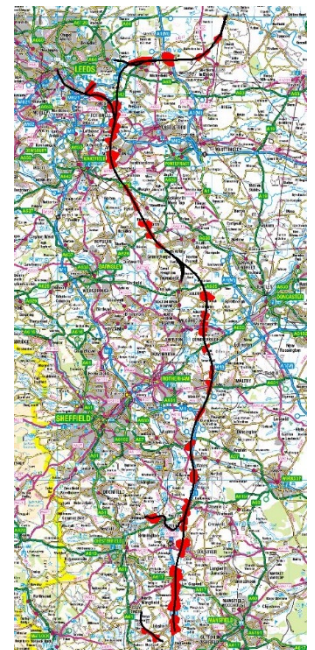
Dan Roberts: The Aberdeen Western Peripheral Route (AWPR)

was one of the largest infrastructure schemes in Europe during its construction. The 60km long scheme consists of approx. 1 million m³ of earthworks, with embankments and cuttings up to 12m high/deep built upon/cut through varying thicknesses of cohesive and granular glacial deposits as well as a mix of igneous and metamorphic bedrock lithologies different weathered grades. Present within the scheme were 60 principal structures mostly founded upon shallow foundations as well as 2 major structures over the river Dee and Don founded upon pile foundations into bedrock. Dan Roberts will discuss the work required during the design and construction phases and the lessons learnt throughout. He will focus on the geology of the area and the associated challenges that needed to be overcome including amendments to the original design that were required to get the road open to the public.



Sam Hazell: The Importance of Targeted Site Walkovers on Large Scale Projects

On large scale projects, sometimes the area needing to be covered is overwhelming. In these circumstances, it is essential that criteria and necessities are set out so that walkovers can be executed effectively with the aim of gaining as much insight as possible but to also remove the preconception that the scale may be too massive. Sam will discuss a case study from 2018 where a number of walkovers for a large-scale project were orchestrated. The aim of these site walkovers was to visit and investigate a number of priority sites. Due to the scale of the site walkovers, these areas required a great deal of refinement, review and critique in order to allow for a well-targeted approach. With a reliance on using online mapping tools or what we have read in a desk study, it can be easy to rely on these sources. Exploring and interpreting the land in which we are working in is invaluable and something that should never be ignored.



About the Speakers: Dan is a Geotechnical Engineer with Atkins with degrees in both Geology, and Geotechnical Engineering. He has experience of large infrastructure projects including the Aberdeen bypass, East West Rail Phase 2 and Highways England smart motorways schemes.

Sam works primarily within geotechnics, graduating from the University of Birmingham in 2012. He's worked in roles involving exploration for uranium in Western Australia, oil and gas data legacy at Royal Dutch Shell in Aberdeen, and a variety of geotechnical engineering and ground investigation projects at Arup.

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