



The  
Geological  
Society

*servicing science & profession*

**Speakers:**

**Gemma Sherwood**  
EDF Energy

**Mark Scorer**  
Atkins

**Date:**

**Wednesday 12<sup>th</sup>  
September 2018**

**Details:**

**Tea / coffee:  
17:30**

**Meeting**

**Commences:  
18:00**

**Location:**

**Burlington House**

The lecture will also be  
livestreamed at the  
following web address:  
<http://geolsoc.adobeconnect.com/eng1809/>

**Free to attend.  
Registration not  
required.**

For further information  
and registration, please  
contact:

Event Convenor:  
Richard Brown

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## Geotechnical considerations for Design and Construction of Hinkley Point C

**An evening meeting by the Engineering Group of the Geological Society (EGGS)**

The EDF Hinkley Point C (HPC) project comprises the construction of a new twin-reactor nuclear power station near Bridgwater, Somerset. Currently in Year 2 of a 10-year construction period the 3.2 GW power plant will power 6 million homes and will provide 7% of the UK's electricity. This £19.5bn station will replace existing Hinkley Point B, which is due to begin decommissioning in 2023. Gemma and Mark will discuss their experience of design and construction support for the largest construction site in Europe.



As an EDF Senior Field Geologist during the enabling works, Gemma is involved in assessing the engineering geology and comparison with the design assumptions including inspecting rock formations, mapping horizontal and vertical excavations and assessing the rock for its mechanical properties in-situ and for re-use.

Mark will discuss his experience developing the detailed design of the Balance of Plant structures on HPC for the EDF Responsible Engineer. As a Principal Geotechnical Engineer at Atkins, Mark has led the geotechnical engineering input to the detailed static and seismic analysis and design of over 20 nuclear safety-related buildings and over 8km of technical galleries, forming the Balance of Plant structures for HPC. This has included structures with significant below-ground embedment as well as fully buried service tunnels.

