



The  
Geological  
Society

ice  
Institution of Civil Engineers



## Geology of the Avon Gorge:

A study of the rock face & bridge foundations

**Tuesday 4<sup>th</sup> April 2017, 18:00 for 18.30 start, followed by refreshments.**

**Pugsley Lecture Theatre, Queens Building, University Walk, University of Bristol, BS8 1TR**

**Speaker: Bob Benton & Robert MacKean.**

The talk will cover the geology of the Avon Gorge and focus upon the site investigation and rock stabilisation works which are critical to maintaining these imposing rock faces, which support Brunel's iconic Clifton Suspension Bridge.

Bob Benton will begin by describing past problems with the Avon Gorge rock faces and how these have led to the construction of the rock protection shelter over the A4 portway road. A review of the design and construction of the Rockfall Gallery will focus upon the requirement for rock anchoring and piled foundations.

Robert MacKean will follow with a review of the geology of the Avon Gorge and discuss his involvement in recent investigations to evaluate the bridge abutments and foundations to the masonry towers.

**About the Speakers;** For information on the varied careers of Robert MacKean and Bob Benton, please refer to the event listing on the ICE website.

Please visit <https://www.ice.org.uk/events/geology-of-the-avon-gorge-bristol> to book your space.

**All are welcome; you do not need to be an ICE member to attend, but booking is essential.**

For further information contact ICE Regional  
Coordinator Natalie Wills.

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