Date: 13 November 2018

Location: University of Sussex; 18.00 for a 18.30 start

The assessment and investigation of chalk karst hazard for a site at the University of Sussex

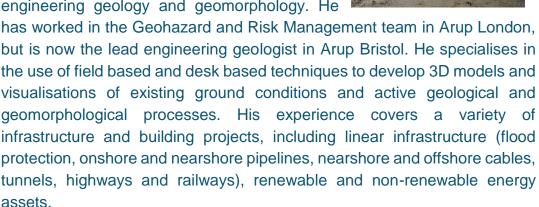
Lee Taylor, Senior Engineering Geologist at Arup

Lee will discuss how a chalk karst hazard was identified and assessed for a site situated on the west facing slope of an interfluve in the South Downs near Brighton. The presence of karst features puts buildings and infrastructure at risk of differential and collapse settlement and can severely impact the cost and programme of design and construction. If features are identified, the presence of cavities should be determined along with the characteristics of infill and the three-dimensional extent of the feature(s), which helps to define the remedial action required. Geophysical methods and probing are more economical alternatives to conventional ground



investigation techniques. This talk provides a discussion of the hazard identification and assessment process, and makes recommendations on the use of CPT probing to identify karst features.

Lee is an experienced geologist in the field of engineering geology and geomorphology. He





LOCATION: Foulton Building Room 203, University of Sussex, Sussex House Southern Ring Road, Brighton, BN1 9RH