Wednesday 11th May 2016 at 6.00pm

The Institution of Civil Engineers, Thomas Telford Lecture Theatre
One Great George Street, Westminster, London SW1P 3AA

Kathmandu Soil: Obstacles and Opportunities

Speaker:
Dr Binod L. Amatya

Kathmandu, the capital and historic city of Nepal, is a world heritage site with many tourist attractions and great natural beauty. In the modern age, it is a very important economic hub for Nepal, bridging the two giant economic forces, namely China and India. However, with the haphazard economic development with no proper vision, the capital of more than 4 million population, is gradually becoming a constrained city with pollution, safety issues and degraded aesthetics. Furthermore, the 2015 Nepal earthquake devastated the capital and the surrounding country.

This presentation will briefly highlight the 2015 Nepal Earthquake and its impact within the Kathmandu Valley. Ground conditions in the valley will be briefly discussed to illustrate some reasons for the variation of damage within the cities and how such inherent ground features could impact development of future infrastructure. The capital is in need of rehabilitation and new development to keep it organised, vibrant and future proof. In this regard, the presentation will discuss how a metro rail network in the valley could be developed to address the ongoing huge problem of transportation services. A concept of 'Crossrail in Kathmandu' and the prospect of developing a network of underground rail tunnels beneath the city will also be presented. Discussion will also highlight the challenges imposed by the nature of the subsurface soils and geology of the valley and address how to build such future infrastructure in the local context to regenerate the capital.

Tea and biscuits will be available at 5.30pm

Advance booking not required

The event will be followed by a social in the ICE bar sponsored by CH2M.

To join the BTS Young Members Mailing List please email to: Emma.Hale@mottmac.com

btsyoungmembers **btsym** or visit www.britishtunnelling.org.uk/btysm

For further information or to join the BGA Early Career Group please email bga-ecg@britishgeotech.org.uk or visit http://www.britishgeotech.org.uk

Follow us @BritishGeotech **or join us on LinkedIn** http://www.linkedin.com/groups?gid=5061912