

## The Rapid Identification of Weathering in Paleogene Clay Using Near Infrared Spectroscopy

Presented by Dr. Nick Koor Associate Head of School of Earth & Environmental Sciences, University of Portsmouth

| Date:         | 6 <sup>th</sup> April 2017 (Thursday)  |
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| Time:         | 6:30 p.m. – 7:30 p.m.  |
| Venue:        | Conference Room, Atkins China Limited, 13/F Wharf T&T Centre, Harbour City, Tsim Sha Tsui        |
| Fee:          | Free of charge   |
| Registration: | Prior registration is not required for the seminar. For enquiry, please contact Miss Trudy Kwong |
|               | at tkwong@bmintelligence.com   |
| Notes:        | A gathering with engineering geology & geotechnics students from the University of Portsmouth    |
|               | will be held after the seminar. HKRG GSL will provide food and beverages. If anyone is           |
|               | interested, please complete the online registration form http://goo.gl/kWB4WI on or before 31    |
|               | March 2017.  |

## **Synopsis:**

The

英國地質學會香港分部

Society

An introduction to visible light/near Infrared light spectroscopy (VIS/NIR) will be given followed by a review of the applied geology applications being developed and researched at the University of Portsmouth's Center for Applied Geology. Yet unpublished results of some recent work on the characterisation of a Palaeogene clay will be presented. This will focus on the use of VIS/NIR as a tool to determine weathering grade for the Palaeogene clay.



## About the Speaker:

Dr. Nick Koor has over 20 years of experience in the field of engineering geology & geotechnical engineering of which 12 years (1993 to 2005) were in Hong Kong. He has authored and co-authored papers on the subjects of landslide investigation, natural terrain mitigation, geological hazard identification, rock slope stability for landfill engineering and engineering geophysics. He joined the staff at the University of Portsmouth in September 2005. His wealth of practical experience compliments the applied earth science pathways at the University and he is actively involved in research, consultancy and course development.

