



# International Geosynthetics Society United Kingdom Chapter



IGS/Engineering Group of the Geological Society joint meeting

**Tuesday 8<sup>th</sup> December 2009**

**Geological Society, Burlington House, London**

5.00pm for 5.30pm

**AGM followed by**  
**BASALLY REINFORCED PLATFORMS FOR PILED EMBANKMENTS**  
**Dutch and U.K. Case Studies**

**Hartmut Hangen & Martin Curd**  
(Huesker GmbH & Scott Wilson)

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The IGS UK Chapter is a  
member of the Ground Forum

The presentation will look at the benefits of using a basally geosynthetic reinforced platform over alternative solutions and the general mechanisms involved. The British Standard Code of Practice will be assessed, including the use of reinforcement strain limited design, in relation to the construction of shallow and high embankments.

Construction processes, including anchor length detailing, fill specifications and geogrid placement will be discussed. The relationship between pile spacing and embankment height and how U.K., German and Dutch guidelines each approach this aspect will also be discussed. Performance data, including real time measurement and monitoring from the case studies will be included.

#### Biographies:

Hartmut Hangen is a civil engineer active in the field of geotechnics for 11 years. His scope of work as application engineer for the German manufacturer, Huesker Synthetic, includes a variety of services related to the design and technical matters of geosynthetic products, as well as their practical application on site. At present, his work is focused on reinforcement applications including embankment foundations, void spanning and steep slopes, especially where on-site monitoring and product development is gaining more and more importance.

Martin Curd is a geotechnical engineer working for Scott Wilson who has almost 10 years experience in geotechnical consultancy. He has also worked for Gifford and Partners. Martin's first degree is in Geology and he is also holds a Masters Degree in Geotechnical Engineering.