



International Association of Hydrogeologists
Irish Group



Annual Joint GSI/IAH Lecture

The role of water in slope and retaining wall stability

Date and Time: Monday January 16th 2017, 6.30pm

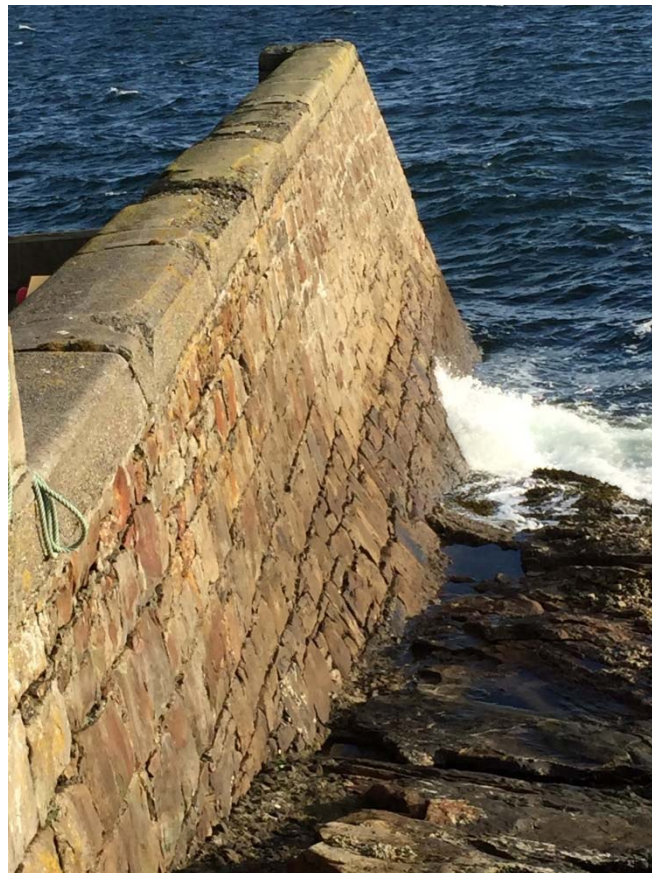
Venue: Engineers Ireland, Clyde Road, Dublin 4

Admission: Free Entry

Speaker: Dr Paul Doherty (Gavin & Doherty Geosolutions)

This presentation will cover the role of water in slope and retaining wall stability. The impact of groundwater will be discussed on soil effective stresses and this will then be coupled with the additional influences of rainwater and temporal variations in groundwater (such as tidal effects). A number of recent case studies will be presented to address:

- (a) slope instability and landslide susceptibility;
- (b) quay wall design and;
- (c) Detailing of seepage through temporary cofferdams to minimise tidal effects on sheet piled walls.



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