



**GEOTECHNICAL SOCIETY OF IRELAND**

## **2011 Annual Guest Lecture**

### **Deep Excavations - Measuring the Stiffness of the Ground (incl. data from real sites)**

by

**Prof Chris Clayton, University of  
Southampton**

During the early days of geotechnical engineering focussed on preventing failures. This was largely achieved by the 1970s. The subsequent growth of cities, with concentrated construction, deep excavations, tunnelling, services, etc has meant that increasingly engineers need to predict deformations around new construction. Bringing together data from real sites, and placing it in the framework of elasticity, this lecture reviews what is required, how stiffness parameters can be obtained, and what further development is needed.

**Wednesday 27<sup>th</sup> April 2011 at 6pm**

**ENGINEERS IRELAND**

**22 CLYDE ROAD, BALLSBRIDGE, DUBLIN 4**

**Tea and Coffee from 5.30pm**

**The talk will be available on webcast at [www.engineersireland.ie](http://www.engineersireland.ie)**

FREE AND ALL ARE WELCOME

**For further information check out [www.engineersireland.ie](http://www.engineersireland.ie) or please contact:**

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