

**Monday 26<sup>th</sup> January 2015**

Location: Lecture Theatre A

17:45 – 18:30 Tea, Coffee and Sandwiches

Building No. 7

18:30 – 19:45 Lecture

University of Southampton, SO17 1BJ

Location map at: [http://www.southampton.ac.uk/visitus/campuses/maps/highfield\\_3d\\_key.pdf](http://www.southampton.ac.uk/visitus/campuses/maps/highfield_3d_key.pdf)

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## ***“The structural use of glass in buildings”***

**A talk by Chris O’Regan of AECOM, author of the IStructE guide to structural glass design**



### **Abstract**

A presentation by the technical author of the Institution of Structural Engineers updated guide to structural glass design. This talk will offer some practical advice on how to design structural glass elements using limit-state theory. The content of the talk can be summarised as follows:

- Contents of Structural Use of Glass in Buildings - Second Edition
- Types of Glass
- Glass behaviour
- Laminated Glass
- Introduction to prEN 16612 and prEN 16613
- Determining strength of monolithic glass
- Effective thickness of laminated glass

- Composite action of laminated glass
- Worked example of a glass floor plate design

## Biography

Chris O'Regan is a Chartered Structural Engineer who is a Principal Structural Engineer at AECOM in their London office. He has worked within the field of structural engineering for over 25 years and during his formative years as a graduate structural engineer he was trained and mentored at Dewhurst MacFarlane & Partners. It is there he first came into contact with designing structural glass elements and his interest in the material has not waned since. Until May of this year he worked within the Technical and Engineering department of the Institution of Structural Engineers as a Technical Author.

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