

CONTINUING PROFESSIONAL DEVELOPMENT



Carbon Critical Design - 2008

All Engineering disciplines need to find processes and tools to make “Carbon” a fundamental criterion in the design process if we are to have a meaningful impact on climate change. It is intended that this series of lectures will heighten awareness of the need for **Carbon Critical Design** and will move the debate forward to look at some of the possible design processes and tools that might be employed. It is intended that some exemplar projects will also be profiled.

Venue: Jurys Hotel, Western Road, Cork. **Time:** 8pm / 7pm

Commencement: Tuesday 30th September; **Registration:** 7.30pm

Subscription:^{*} **Members:** €100 (Series) €30 (Lecture)
Non-Members: €120 (Series) €35 (Lecture)
Student / Retired: €40 (Series) €15 (Lecture)

Bookings: Kevin Murray **Email:** kevin.murray@atkinsglobal.com
(Pre-Booking is recommended as numbers are limited.)

~ PROGRAMME ~

<i>Dates</i>	<i>Lecture Titles</i>	<i>Speakers</i>
30 th September (8pm)	Carbon Critical Design – Why it is important for Engineers. Climate Change Impacts and Policy	Frank McGovern (EPA) Joseph Curtin (IIPA)
7 th October (8pm)	Developing an holistic approach towards a Carbon Critical and Climate Change Strategy. Integrated Energy Efficient Building Design and Management	Arthur Thornton (Atkins) Ken Bruton (RPS)
14 th October (8pm)	Carbon Critical Design – The Carbon Manual and Tools for Design	Gavin Bolland (Atkins) Julian Sutherland (Atkins)
21 st October (7pm)	Carbon Critical Design – A Discussion on the Way Forward	Anthony Iles (Atkins) (Second Speaker to be confirmed)

^{*} 20% Discount on series rate for groups of four or more from a single organisation, if booked and paid in advance.

Synopsis of the Lecture Series

This series of lectures has been developed by the Cork Region of Engineers Ireland to address the changes that will have to occur in the design processes in almost every engineering discipline if we are to address carbon as a cause of climate change. It has become apparent that the management of carbon is not only an issue for energy consultants. It is an issue for all engineers to address in the design and delivery of projects.

For example, the design of a wastewater treatment plant will result in a quantity of embedded carbon in the works; but the carbon emissions in the operational period will be far more significant. How can we design treatment plants so that they have less of a carbon impact, both in construction and during operation?

If the engineer, of whatever discipline, is to contribute to arresting the worst impacts of climate change, then he or she needs to be provided with the processes and tools to minimise carbon impacts from the earliest stages of design. It is of little value to apply a “greenwash”, as some have called it, or to bolt-on sustainable design to a near-finished design.

This series of lectures is intended to help Irish engineers to find ways and means to contribute in a meaningful way to a solution to the problem of climate change.

Pen Portraits of Speakers

Dr Frank McGovern is a senior scientific manager with the EPA's Climate Change Unit and will represent the Department of Environment, Heritage, and Local Government at the IPCC plenary meeting in Geneva.

Joseph Curtin is Senior Researcher at the Institute of International and European Affairs, Dublin, with responsibility for the areas of climate change and energy policy. He is project leader of the IIEA's climate change working group, author of the IIEA's upcoming report: *The Climate Change Challenge: Strategic Issues, Options and Implications for Ireland* and author of the Institute's series of policy briefs on the EU's climate change and energy package.

Further details to follow.....