

FUTURE ENVELOPE 6

LOW CARBON – HIGH ARCHITECTURE

*Centre for Window and Cladding Technology
University of Bath*

7 June 2012

www.cwct.co.uk/futureenvelope

CENTRE FOR
**WINDOW
AND
CLADDING**
TECHNOLOGY

 **TU Delft**

Buildings may have low carbon impact through their efficiency in use, the reduction of carbon embodied during the construction process or the influence they have on the users' behaviour. However, there is often a tension between low carbon architecture and good quality architecture and these tensions become more acute for larger and taller buildings.

Efficiency and comfort in use are dominated by the building envelope and the geometry of the building. The envelope is not a veneer but a substantial volume of material that greatly influences the amount of embodied carbon in a building. Finally the building envelope totally influences the appearance of the building and gives the impression of 'high tech', 'low energy' and so on.

The challenge is to take the envelopes that are exemplars of low carbon performance adopted at small scale for housing and to apply the techniques to larger building of different uses.

There are many examples of low carbon buildings for which the appearance has been completely driven by the carbon agenda and the appearance is normally far from conventional. This conference will explore how we can have exciting and good quality architecture. We will see that 'green building' may be many colours; that straw bale construction may look conventional and that automated facades may reduce energy use while increasing comfort.

The City of Bath

Bath is an 'International World Heritage City'. With its magnificent Roman remains, splendid 15th Century Abbey, charming 18th Century architecture and modern facilities, Bath is a popular place to visit. It is the ideal centre from which to extend your stay in the UK and visit London, Stratford on Avon, Stonehenge and other places of interest. Bath is easily reached by road, rail or bus from London and other parts of the UK.

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Thursday 7 June 2012
University of Bath

REGISTRATION FORM

Name: Title:
Company/
Affiliation: Job title:
Address: Post code:
..... Tel No:
email: Fax:

Joining instructions will be **EMAILED** approximately 14 days before the meeting.

CWCT/EFN Members - £150 +VAT = £180.00 Others - £350 +VAT = £420.00
Bona fide Students - £50.00 + VAT = £60.00

In order to reduce administration costs, bookings must be accompanied by remittance. Please make your cheque, drawn on a UK bank, payable to **CWCT Services Ltd**, or you may pay by credit card.

Visa Mastercard Switch

 Security No.

Expiry date Switch number

Address for credit card if different
from above

BACS details: Barclays Bank, Milsom Street, Bath, Account No: 20298506
IBAN GB50BARC20050620 2985 06 SWIFTBIC BARCGB22

Sort Code: 20-05-06

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**Low carbon, high architecture
7 June 2012
Bath**



Registration 09.15

Programme includes

Commercial Straw Bale Buildings

Craig White,
White Design

Passive zero carbon offices in Europe

Dirk Henning Braun,
Braun Associates

Carbon neutral dwellings

Arjan van Timmeren
TU Delft

Case studies to resolve tension low-carbon,
high architecture

Will Stevens,
Interface Facade Engineering

London offices

Doug King,
King Shaw

Automated facades

David Metcalfe,
CWCT

Design aspects of environmental glass
technologies

Michael Elstner,
Interpane

Structural aspects of low-carbon, high
architecture

Thomas Henriksen,
Waagner Biro

Questions, discussion

Close at approximately 16.30

Hotels in Bath

Bath is a very popular tourist centre. It has hundreds of hotels and guest houses; those listed below are in the centre of the City, or within a short walk of the bus service to the University. Those starred may offer a discount if you say that you are attending a meeting at the University. You will find further suggestions for hotels at www.thisisbath.co.uk and www.visitbath.ac.uk

Hotels	Price range	Telephone	Web address
Abbey Hotel	From £81.00	+44 (0) 1225 461603	www.abbeyhotelbath.com
*Ayrington Hotel	From £110.00	+44 (0) 1225 425495	www.ayrington.com
*Carfax Hotel	From £88.00	+44 (0) 1225 642089	www.carfaxhotel.co.uk
*Dukes Hotel	From £90.00	+44 (0) 1225 787960	www.dukesbath.co.uk
George's Hotel	From £55.00	+44 (0) 1225 464923	www.bath.org/hotel/georges.htm
Harington's Hotel	From £88.00	+44 (0) 1225 461728	www.haringtonshotel.co.uk
Kennard Hotel	From £65.00	+44 (0) 1225 310472	www.kennard.co.uk
*Pratt's Hotel	From £71.00	+44 (0) 8081 449494	www.prattshotel.co.uk
Pulteney Hotel	From £48.00	+44 (0) 1225 460991	www.pulteneyhotel.co.uk
Queensberry Hotel	From £125.00	+44 (0) 1225 447928	www.thequeensberry.co.uk
Redcar Hotel	From £55.00	+44 (0) 1225 469151	www.redcarhotelbath.co.uk
Royal Hotel	From £70.00	+44 (0) 844 544 9246	www.royalhotelbath.co.uk
*Villa Magdala	From £75.00	+44 (0) 1225 466329	www.villamagdala.co.uk
*Windsor Hotel	From £69.00	+44 (0) 1225 422100	www.bathwindsorhotel.com
Guest Houses			
*3 Abbey Green	From £90.00	+44 (0) 1225 428558	www.threeabbeygreen.com
Brocks Guest House	From £85.00	+44 (0) 1225 338374	www.brocksguesthouse.co.uk
*Parade Park	From £55.00	+44 (0) 1225 463384	www.paradepark.co.uk
Ravenscroft	From £80.00	+44 (0) 1225 469267	www.bnbselect.com/bnb/8780
Roman City	From £35.00	+44 (0) 1225 463688	www.romancityguesthouse.fsnet.co.uk
The Belmont	From £40.00	+44 (0) 1225 423082	www.belmontbath.co.uk
The Henry	From £47.50	+44 (0) 1225 424052	www.thehenry.com
Tolley Cottage	From £100.00	+44 (0) 1225 463365	www.bath.org/hotel/tolley.htm
Hostels			
Bath Backpackers	From £15.50	+44 (0) 1225 446787	www.hostels.co.uk
Bath YMCA	From £18.00	+44 (0) 1225 460471	www.bathymca.co.uk
St Christopher's Inn	From £18.00	+44 (0) 1225 481444	www.st-christophers.co.uk/bath-hostels
