

## **AECB News**

**February 2011**

### **AECB Conference 2011**

This year's AECB conference will be held at the award winning University of Nottingham, Jubilee Campus on Friday 16th & Saturday 17th September 2011. It is an exciting space by an artificial lake, built as part of a major brownfield redevelopment. We will be able to offer the usual range of detailed workshops, social events and accommodation.

We have budgeted to keep the price the same as the last two years, so put the dates in your diary now - booking and programme details will be on the AECB website soon.

If you have never attended one of these terrific events before, and want a flavour of the kind of thing that will be on offer, you can view many presentations from our 2010 21st birthday conference on the website [www.aecb.net/conference2010.php](http://www.aecb.net/conference2010.php)

### **Local Group Events In February**

Great news for members in Lancashire, Cumbria, Greater Manchester and surrounding areas! Peter Stott of EcoDesign has organised the first meeting of the Lancashire Group, which takes place this Monday (7th February) at 7.30pm. There will be a Passivhaus presentation by Peter Wilkinson - who is also an AECB Trustee and will give you an AECB update.

Venue: The Parkside Hotel, 281 Bury Old Rd, Prestwich, Manchester, Lancashire M25 1JA

The Glos/Hereford/Worcs Group are having a social meet-up on Wednesday (9th February) at THE PRINCE OF WALES PUB Church Lane Ledbury Herefordshire HR8 1DL. (Please note change in venue.) Linda Martin is the leader of this group and has posted more details on the AECB website Forum. Click on her name to send her a message to let her know you are coming.

Brighton Group has organised two events: Firstly, in Brighton on the evening of 15th February, Neil May, founder of Natural Building Technologies and Passivhaus Trust trustee, will be making a short presentation followed by Q&A.

The following morning, 16th February, the AECB are jointly running a 'Better Building' breakfast in Haywards Heath with the Town Council, Haywards Heath and District Business Association and Mid-Sussex Sustainability Partnership on 'the very latest in sustainable construction & legislation'. Places are limited so please email [kay@ecotecture.co.uk](mailto:kay@ecotecture.co.uk) o book.

For further information and to RSVP to all these events see [www.aecb.net/forum/index.php/board.24.0.html](http://www.aecb.net/forum/index.php/board.24.0.html). You can also email [anadapta@theh2ozone.co.uk](mailto:anadapta@theh2ozone.co.uk) with any enquiries.

### **See You At Ecobuild!**

Just a reminder that the AECB will be having a stand at Ecobuild again this year, so if you are visiting the ExCel centre between the 1st and 3rd of March please pop over to stand N62 and say hello -- we are right opposite a cafe area, so you could combine your visit with a coffee.

This year's exhibition has some new features such as a Passivhaus Pavilion, as well as more than 130 seminars covering a wide range of sustainable building issues.

Many of these talks and discussions will involve AECB members. If you're a member and giving one of these presentations - post the details on the AECB Forum events board at [www.aecb.net/forum/index.php/board.4.0.html](http://www.aecb.net/forum/index.php/board.4.0.html) (or reply to an existing thread), to let everyone know. If you're planning to attend, check the AECB forum to see who's going to be talking when, to help plan your visit!

If you are exhibiting, please get in touch with ([sally@aecb.net](mailto:sally@aecb.net)) so we can let people know where to find members' stands. We can also supply you with information materials about the AECB to add to your display.

If you have some spare time and would be happy to do a spell on the AECB stand telling people about the work of the AECB and encouraging them to join, please let Geoff know in the next week, and he will prepare a loose rota later in the month. [geoff.biy@homecall.co.uk](mailto:geoff.biy@homecall.co.uk)

Full details and tickets for the exhibition itself can be found on the Ecobuild web site, [www.ecobuild.co.uk](http://www.ecobuild.co.uk).

### **Homebuilding And Renovating Show – NEC, Birmingham 24th - 27th Of March**

The AECB has been asked to provide Eco Building advice again this year, as well as doing a presentation in the masterclass area. So if you or your clients are planning to visit the show it would be good to make contact.

You can register for free tickets via the following link: [www.homebuildingshow.co.uk/AECBExpertAdvice](http://www.homebuildingshow.co.uk/AECBExpertAdvice), or click on the Homebuilding and Renovating Show logo on the AECB website.

### **AECB Carbonlite To Launch Modular CEPH Course**

AECB Carbonlite is finalising a Certified Passive House Designer programme specifically for the UK. The program will be launched in July 2011 and delivered by UK professionals with Passivhaus experience.

The CarbonLite Designer course offers the following benefits:

- Courses are developed specifically for the UK, and use UK building examples.
- The programme is delivered using a mixture of lectures, group and individual learning, with take-away exercises to continually affirm and test understanding.
- The full programme can be taken as an intensive course, or spread out as individual modules to suit your needs. The courses & exam will be delivered on a regular basis with small groups.
- Relevant courses previously completed under the CarbonLite scheme will contribute towards the qualification.

The training is still under development, but it is expected that the course fees will be competitive with other UK CEPH courses and will be roughly equivalent to 10 days training.

If you are interested in learning more about CarbonLite Passivhaus Designer courses, or you would like to register your interest, please contact Helen Bennett at Warm: [helen@peterwarm.co.uk](mailto:helen@peterwarm.co.uk) 01752 542546

### **PHPP And Thermal Bridging Training**

There is just time to book one of the remaining places on February's CarbonLite courses in London and Bristol:

- Understanding the Passivhaus Standard, Principles and Methodologies

14th February 2011 | City Point, Bristol

- Using PHPP to Design Low Energy Buildings

8th February 2011 - 9th February 2011 | Westbourne Grove, London

15th February 2011 - 16th February 2011 | City Point, Bristol

- Thermal Bridging

10th February 2011 | Westbourne Grove, London

17th February 2011 | City Point, Bristol

Dates and booking for the same courses (same two locations) in May will be available soon from the same link (below). Delegates interested in attending these courses in NEWCASTLE in April should contact [helen@peterwarm.co.uk](mailto:helen@peterwarm.co.uk) 01752 542546.

Full course information, prices and booking at [www.carbonlite.org.uk/carbonlite/events.php](http://www.carbonlite.org.uk/carbonlite/events.php). Remember, if you join AECB first, you save £50.00 per course per day.

### **Thank You!**

AECB extends grateful thanks to Steven Knight, Ricky Thakrar and John Trinick, who all very generously came forward with offers to help us refine the Low Energy Buildings Database, after our appeal last month.

### **Use Your Influence – Work With AECB To Help Define Green Deal Assessor Role**

The Existing Homes Alliance, which includes the AECB amongst its core members, has made a "significant impact" with DECC at a senior level and "has directly influenced the development of the Green Deal policy," according to WWF, who chair the Alliance Steering Committee.

The Alliance draws on members' expert opinion and last year published a set of position papers relating to the Green Deal ([www.existinghomesalliance.org.uk/new\\_great\\_green\\_deal.php](http://www.existinghomesalliance.org.uk/new_great_green_deal.php)) which formed the cornerstone of its advocacy work with DECC.

This year DECC has established four separate fora to develop the details of the Deal in advance of its launch at the end of 2012. The ExHA hopes to feed views into all four, continuing to inform and influence the detail of developing policy. The next focus will be to consider and anticipate the detail of the Assessor role.

AECB's rep on the ExHA, Mark Elton of ECD Architects, urges AECB members to get involved and feed in their views: "Assessors will be a crucial component in the success and credibility of the Green Deal scheme," he points out. Mark invited members to post their thoughts on the assessor role onto the AECB Forum (under Building Refurbishment and Retrofit) so that they can be fed into the Alliance's Steering Committee task group.

Participation is well worthwhile, Mark added. "The Alliance is able to be so effective because we represent the views of a broad and knowledgeable collective across the industry, and feed directly into the policy development process."

### **Retrofit For The Future – Sharing The Data**

AECB member Mark Elton recently attended a task group of the Technology Strategy Board's Retrofit for the Future programme, specifically tasked with giving feedback on the reporting process.

With over half of the projects now providing data, the development of the central repository for the data is well under way. The EST-managed website will not only hold detailed information about each of the projects, including specifications, feedback on the process, lessons learned and so on, but will also allow visitors to generate their own performance graphs based on the real-time data streaming from the various monitors in each dwelling.

The AECB-TSB Low Energy Buildings Database ([www.retrofitforthefuture.org](http://www.retrofitforthefuture.org)) will also continue to provide one of the main windows to the world for the retrofit projects, as well as other refurbishment and new build low energy buildings. It is next planned to implement the links between the databases to summarise annual consumption for each project and compare to the project teams' forecasts.

## **Member News**

### **Green Business For Sale – Due To Family Bereavement.**

Green business supplying decorating and building materials.

Established for ten years, many Green Awards.

Own eco-paint range.

Huge potential for development

For further information email: [margery.ward@dsl.pipex.com](mailto:margery.ward@dsl.pipex.com)

Or telephone 01449 73 79 24

### **“Green For Life” Wins British Homes Awards Design Competition**

Hess Kincaid Leach's Energy Efficient Retrofit Scheme Voted Number One By Daily Telegraph Readers

Following the successful legacies of The Barratt Green House (2007 Home for the Future) Crest Nicholson's Avanti Lifestyle House (2008 Lifestyle Homes) and last year's Lifetime Home for our ageing population, won by Kosi Architects' "Sunnyside-up house", the 2010 Daily Telegraph British Homes Awards, sponsored by VELUX and in partnership with The Gentoo Group and the National Refurbishment Centre, challenged UK's architects to design innovative energy efficient retrofit solutions for a terrace of four houses in Sunderland.

Five schemes were short-listed by the Panel of Judges, chaired by the Immediate Past President of RIBA, Sunand Prasad and presented to readers of the Daily Telegraph for their vote.

Green for Life was announced the winner at The RIBA Stirling Prize and the Award was presented to winning architect Paul Leach by Anna Scothern, Director, National Refurbishment Centre and Sally Hancox, Director, Gentoo Green.

All design submissions are on display as a gallery exhibit at The Building Centre, Store Street London until October 23 and will be presented on [www.ecohomehub.com](http://www.ecohomehub.com), the UK's leading showcase of sustainable home designs.

For more information contact Paul Leach on 01865 249691 or [pleach@hesskincaidleach.co.uk](mailto:pleach@hesskincaidleach.co.uk)

## **AECB Member In New Partnership With Austrian Triple Glazed Window Supplier**

As part of their commitment to sustainable building and contribution to improving the energy savings needed for the future, Eco Frame Systems have partnered with Gaulhofer windows & doors. Gaulhofer is an Austrian manufacturer of superior products, specialising in producing products with impressive thermal performance values alongside an uncompromising commitment to style, quality and reliability.

The Gaulhofer range is available in wood & aluminium together with an extensive selection of roller shutters and insect screens. The Gaulhofer range has beautiful glass spans, is triple glazed all with reduced energy consumption. This technically revolutionary window & door range blends beautifully delivers pure design alongside a natural cosiness within the home. Due to their generous glass areas Gaulhofer Glassline windows have a completely open view allowing 10% more light into the home and saving valuable heating costs.

Within the Gaulhofer range you will find products which meet the strict Passive House standards enabling low energy houses to incorporate cutting edge windows and doors which deliver on style and quality.

Eco-Frame Systems is an established company founded on many years' experience in timber frame construction within the building industry. The company prides itself on delivering exceptional customer service with a small team of highly experienced tradesmen. They will work with architects and homeowners to develop designs and will supply and install Gaulhofer windows and doors with no compromises.

For more information go to [www.gaulhofer.com/en/home](http://www.gaulhofer.com/en/home) or [www.ecoframesystems.com](http://www.ecoframesystems.com)

## **Opening Of Retrofit For The Future 'Haringey Passivterrace'**

The opening of the Retrofit for the Future 'Haringey PassivTerrace' designed by Anne Thorne Architects for Metropolitan Housing Partnership, construction by Sandwood Design & Build, was attended by local MP Lynne Featherstone, and Councillor John Bevan, Housing Association representatives, housebuilders and architects.

The full details are at [www.aecb.net/networkfiles/images/HawthornRdSummary\\_editRF-1.pdf](http://www.aecb.net/networkfiles/images/HawthornRdSummary_editRF-1.pdf), for further details ring Fran Bradshaw or Jennie Swain on 0207 729 6168, or email [fran](mailto:fran) or [jennie@annethornearchitects.co.uk](mailto:jennie@annethornearchitects.co.uk)

## **News**

### **Training Grants For Sustainable Community And Built Environment Businesses In The East Of England**

There will be a funding programme starting in February in the East of England Region (Beds, Cambs, Essex, Herts, Norfolk or Suffolk only), and in specific sectors, which will be helping businesses there to harness their full potential. The fund will reimburse up to 70% of the training cost (excl. VAT) of eligible courses that meet critical business needs during 2011.

The programme will not recommend or support named courses, but will wish to encourage training leading to reduced carbon emissions.

To request further information when it is available please contact Anne Williamson [anne.e.williamson@btinternet.com](mailto:anne.e.williamson@btinternet.com) 07748 261804

### **We're Looking For Green Heroes!**

Grand Designs Live is looking for 'Green Heroes', who are behind the very best eco innovations, home products and green building designs - to appear at this year's Grand Designs Live London. Pioneered by Kevin McCloud himself, who launched 'Kevin's Green Heroes' at the London 2010 show, the search has begun for 2011 and will showcase some truly innovative eco ideas.

We are calling for product designers to submit innovative and inspirational product designs which can help solve environmental issues as well as having the potential to be incorporated into new and existing homes, offices and factories in order to reduce our impact on the environment and make a difference to our future and our home emissions.

Winning entries will be given the amazing opportunity to launch their products at Grand Designs Live London in May, offering exposure to over 100,000 visitors expected made up of members of the building trade, industry professionals as well as the general public.

If you are interested in becoming a 'Green Hero' and you would like to put your product/ideas forward for consideration, please email [greenheroes@granddesignslive.com](mailto:greenheroes@granddesignslive.com) with an image and up to one page of A4 describing your submission and its eco credentials. Once received your entry will be considered for this year's Grand Designs Live London.

Full details are at [www.granddesignslive.com/news11-green-heroes/](http://www.granddesignslive.com/news11-green-heroes/)

All entries must be sent by 18th March 2011.

### **Call For Papers: 'Assessment And Monitoring Of The Environmental Performance Of Buildings' 2011 - Marseille, France**

Call for papers in the field of 'Assessment and Monitoring the Environmental Performance of Buildings' as part of the '3rd International Conference on Sustainability and Energy in Buildings' which is being held in Marseille, France, 1st to 3rd June 2011. Papers are invited from researchers (including masters and doctoral students), designers, developers, clients and other interested parties in the following themes, in this field:

- Comparison of design and construction strategies and details with performance in use;
- Validation of design and environmental assessment tools with performance in use;
- Evaluation of design and construction details, approaches and processes to maximise environmental performance;
- Comparison and illustration of methods for assessing and monitoring the environmental performance of new and existing buildings;
- Case studies:
- Assessment and or monitoring the environmental performance of new and existing buildings;
- Assessment and or monitoring the environmental performance of components in new and existing buildings;
- Post occupancy evaluation;
- Education and training;
- Development and enhancement of existing assessment and monitoring methods;
- Comparison of methodologies and regulations in one country or between countries.

The deadline is 14th March 2011, with notification of acceptance/revisions provided 28th March 2011 and final submission and upload of camera-ready publication files by 15th April 2011. For more information go to <http://seb.sustainedenergy.org/>.

### **European Energy Service Award 2010 – Call For Entries.**

The Award for Europe's Best Energy Services in the categories: Best European Energy Service Provider, Best European Energy Service Promoter, Best European Energy Service Project.

For the sixth time the European Energy Service Award honours outstanding efforts and achievements for the development and success of energy services for energy efficiency in Europe. At last year's European Energy Service Award celebration Commissioner for Climate Action Connie Hedegaard emphasised the growing importance of energy services for reaching European Union's energy efficiency and climate targets. This growing importance is a result of Europe's frontrunners in providing, promoting, and implementing high-quality energy services. The best frontrunners of 2010 will be chosen by an international jury of experts. The Berliner Energieagentur receives applications starting now.

Download Award Criteria and Application Documents at [www.european-energy-service-initiative.net/eu/eesa.html](http://www.european-energy-service-initiative.net/eu/eesa.html)  
Application Deadline: 29 April 2011.

### **ICE Database.**

The hardcopy summary guide to the ICE Database and embodied carbon is now available, it's called 'Embodied Carbon. The Inventory of Carbon & Energy (ICE)'. We have produced this book with the Building Services Research & Information Association (BSRIA). BSRIA are a UK non-profit member based association and publisher.

If your organisation is in the UK and a member of BSRIA you will be able to log into BSRIA's website and download a copy of the book for free as a pdf. Furthermore, members of BSRIA will receive a hardcopy free of charge during their quarterly mailout. The pdf and hardcopies are also available to purchase from BSRIA around the world. For further details please see <http://tinyurl.com/2bxxx9l>

Please consider that BSRIA own the copyright of the pdf and hardcopy documents (but not the content, which owned by the University of Bath). The University of Bath are making available a free excel file version to everyone around the world. The newest version will be ICE V2.0 (keep an eye on <http://people.bath.ac.uk/cj219/>). Also for those with an interest in whole life carbon in buildings see <http://tinyurl.com/68922od>

## **100% Renewable Energy In 40 Years Not Limited To Our Wildest Dreams**

New research suggests the whole world could switch to renewable energy sources using current tech in just 20 to 40 years. It would cost no more than current energy, and would have big economic and eco payoffs. The only barriers are down to social, business, and political inertia.

We all know about renewable energy--it's been around for years, and is key to solving the global warming (and end-of-oil) crisis. Nowadays it's good to be green, and research into the millions of different aspects of the tech is skyrocketing. But a Stanford research team has just compiled an innovative, lateral-thinking study that says even using current available technology the entire world could switch 100% of its energy needs to renewable sources in just a handful of decades. How is this possible?

Read the full article at [www.fastcompany.com/1721388/study-100-renewable-energy-for-world-in-40-years-yes-only-our-doubts-in-the-way?partner=ethonomics\\_newsletter](http://www.fastcompany.com/1721388/study-100-renewable-energy-for-world-in-40-years-yes-only-our-doubts-in-the-way?partner=ethonomics_newsletter)

## **Green Building Management Toolkit**

The Better Buildings Partnership has published a toolkit which provides guidance to both owners and occupiers on how to work more effectively together to achieve reductions in energy, water and waste in their buildings.

Tried and tested by BBP member organisations such as British Land, the 'Green Building Management Toolkit' provides clear guidance on how to set up a Green Building Management Group and has been designed to be flexible so that it can be used in any scenario. It also provides a number of practical tools, including a template for an introductory presentation, an environmental action plan and example performance reports.

To download the toolkit, visit [www.ukgbc.org](http://www.ukgbc.org) or learn more about the Better Buildings Partnership go to [www.betterbuildingspartnership.co.uk](http://www.betterbuildingspartnership.co.uk)

## **Estimating Energy Consumption At The Regional Scale**

Two researchers based in Italy have combined energy statistics (primary energy consumption), census data (residential buildings floor area) and average specific primary energy use (kWh/m<sup>2</sup>) to develop and test a method for assessing the energy performance of building stock at the regional or national scale.

The tool that Gian Vincenzo Fracastoro and Matteo Serraino have developed, known as E-SDOB (the Statistical Distribution Of residential Buildings according to primary Energy consumption for heating purposes), could be used by legislators to define a performance scale for building energy certification, to introduce mandatory measures and incentives for building energy retrofits and to evaluate the potential of new technologies. The pair tested the E-SDOB technique using energy statistics for two Italian regions (Piedmont and Lombardy), and their results are reported in the latest issue of the journal Energy and Buildings.

'A methodology for assessing the energy performance of large scale building stocks and possible applications' by Gian Vincenzo Fracastoro and Matteo Serraino by Energy and Buildings (in Press); doi:10.1016/j.enbuild.2010.12.004, available in [www.sciencedirect.com](http://www.sciencedirect.com)

## **Government Considering Options For Water Metering**

The Coalition Government is reported to be considering the options for making water meters mandatory for all the country's homes. Water meters promise improved efficiency – particularly for water utilities to detect leaks more effectively – and could deliver water savings among customers. Currently, only around 40% of homes have water meters, but Caroline Spelman, the Secretary of State for Environment, Food and Rural Affairs is reputedly in favour of moving towards a system in which water charges are based on metering.

While the advantages for some are that charges will be based only on what is used, rather than on the basis of property size, those with heavy usage could be worse off. There could also be problems for water utilities in the provision of water meters for blocks of flats or multiple-occupancy residences. The Department of Environment, Food and Rural Affairs is scheduled to launch a consultation on water metering, but the ongoing furore over the Departments plans to dispose of the nation's forests over coming years could delay the announcement.

Go to <http://www.defra.gov.uk/>

## **Minister Officially Launches Energy House At Salford University**

Climate Change Minister Greg Barker today officially launched Salford University's Energy House – a life-size model of a typical terrace house fitted with energy efficiency technologies. The Energy House is modelled on a typical pre-1920s terrace, similar to around two million UK homes, and is fully fitted with heating, running water and electricity, as well as furnishings and typical appliances.

But there the similarities end. The Energy House is wired up to energy-use monitoring equipment and constructed inside a sealed testing chamber, which features an artificial 'weather' generator. The setup will allow academics and students from Salford University's Energy Hub – a multi-disciplinary research centre – as well as government

and business representatives to test and assess energy efficiency technologies under a range of weather conditions.

Testing new and existing technologies in this setup is crucial to improving the country's housing stock because while pre-1920s housing makes up around 15% of the UK housing total it accounts for around 23% of CO2 emissions.

Go to [www.energy.salford.ac.uk](http://www.energy.salford.ac.uk)

### **Energy Policy Could Lead To 'Dash For Gas', Warns Committee**

The Coalition Government's energy policy could lead to a 'dash for gas', warns the parliamentary Energy and Climate Change Committee in a report published today. The report is deeply critical of the Government's National Policy Statements (NPSs), which are designed to speed up the planning process for major energy projects.

In fact, says the report, the NPSs could delay investment in renewables and other low-carbon technologies and make the UK's climate change targets impossible to reach. While the Committee says there is a role for unabated gas to provide baseload power and cover peak demand, it warns that too much reliance on gas will push renewables out of the energy mix. The Committee is also sceptical that the NPSs will enable the Government to achieve its target of 16 GW of new nuclear power – which means two new plants a year – by 2025.

According to the Government's own Department of Energy and Climate Change, £200 billion of investment in the country's energy infrastructure is needed by 2020 to cope with increased demand and climate change targets, but the six draft NPSs do not prioritise low-carbon or renewable generation over conventional technologies, finds the report. The Government's plans also do not specify where and how that £200 billion investment should best be spent.

Go to [www.parliament.uk/business/committees/committees-archive/ecc/](http://www.parliament.uk/business/committees/committees-archive/ecc/)

### **DEFRA Not Up To Job Of Driving Sustainability, Says Committee**

The department assigned by the UK Government to oversee its sustainability efforts is not up to the job, according to a committee of MPs. In a report, the Environmental Audit Committee (EAC) says the Department for Environment, Food and Rural Affairs (DEFRA) should handover its responsibility for driving improvements in sustainability across Government to the Cabinet Office.

Prioritising sustainability in the policy-making of all departments could help the Government save millions in reduced energy and water use and less waste, while also helping the environment, but for the Government to realise the benefits, the EAC recommends creating a new minister for sustainable development based in the Cabinet Office who could hold departments to account over the delivery of green targets and even, in conjunction with the Treasury, consider financial sanctions for poor performance.

When he came to power, Prime Minister David Cameron committed his Government to being 'the greenest ever' and pledged to cut Whitehall emissions by 10% during his first year in office. But one of the first actions of the Coalition was to withdrawing funding from the Sustainable Development Commission, which currently acts as watchdog and advisor to the Government on green issues.

Go to [www.parliament.uk/eacom](http://www.parliament.uk/eacom)

### **UK Renewable Electricity Supply Exceeds 8%**

The UK's renewable electricity supply reached an all time high last autumn exceeding 8.6% of the total supply in Q3. According to Government statistics released in December, the increase in renewables capacity particularly offshore wind, puts the target of 10% renewable electricity by the end of 2010. The trend looks set to continue as more renewable energy projects come online, putting the country's EU target of 15% renewables by 2020 once again in contention.

However, a letter in The Guardian newspaper last week from experts at a number of UK universities including Birmingham, Lancaster, Warwick, Keele and Imperial College London warns that the Government's plans to overhaul the electricity market could benefit nuclear power over renewables.

The academics warn that replacing or reforming the existing renewables obligation will serve to channel resources towards nuclear power. Instead, a robust German-style feed-in tariff scheme offering open-ended guarantees for renewables developers, with rates tailored for different technologies, is the best way forward, the academics argue.

Go to [www.decc.gov.uk/assets/decc/Statistics/publications/energytrends/1082-trendsdec10.pdf](http://www.decc.gov.uk/assets/decc/Statistics/publications/energytrends/1082-trendsdec10.pdf)

## Events

### **Eco- and Energy- Efficient Wood Construction - Tuesday 8<sup>th</sup> February 2011**

A lecture by Stefan Winter, Univ.-Prof. Dr.-Ing. Technische Universität München, FiDiPro Professorship Aalto University

University of Bath, Room: 8W 1.1, 6:30 pm

How can the use of wood in buildings provide answers to the challenges of low-energy buildings in construction, refurbishment and use? This lecture will cross the boundaries of Architecture, Structural Engineering and Building Physics and provide insight from a leader in design and research in Europe.

### **Achieving Low Carbon Housing - Learning From Elm Tree Mews - 16th February**

1.30pm - 5.15pm. Watershed, 1 Canon's Road, Bristol. BS1 5TX

This seminar will examine the results of performance measurement at Joseph Rowntree's Elm Tree Mews development, as well as other monitoring by the Good Homes Alliance, Ecos and others. It will then explore the implications of these results for developers, RSLs, policy-makers, contractors and supply-chain representatives.

The seminar is for all practitioners involved in the delivery of housing including policy-makers, planners, developers, local authorities, housing providers, developers, contractors and supply-chain representatives.

For more information go to [www.goodhomes.org.uk](http://www.goodhomes.org.uk). To book: send your name, job title, company name and to [info@goodhomes.org.uk](mailto:info@goodhomes.org.uk)

Fee: £25.00 plus vat (£30.00 inc vat)

### **Sustainable Development 2011 - Harnessing The Energy Of Communities - 23rd February 2011 – The Barbican, London**

This event is CPD certified

The coalition is committed to making this 'the greenest government ever'. The Big Society agenda aims to stimulate partnerships with local authorities, civil society and businesses to ensure that communities work together towards common environmental goals and solutions. The green economy is also a crucial component of economic growth but how are the new green enterprises, products and services going to be best supported?

The Carbon emissions targets of 2020 are fast approaching; it is vital that growth continues to be sustainable, communities are engaged and waste is reduced. Public services can take a bold and creative approach to meeting environmental challenges. Will the Big Society concept lead to other innovative methods that can better our environment?

Our sixth annual Sustainable Development conference aims to bring together leading exemplars of sustainable best practice, to showcase the latest technical innovations and discuss the policy and initiatives that can deliver a greener future for the United Kingdom. Delegates can hear and debate the latest government policy and targets as we aim to showcase how best to implement sustainability initiatives successfully and cost effectively.

For more information go to [www.publicserviceevents.co.uk/event/programme.asp?ID=169](http://www.publicserviceevents.co.uk/event/programme.asp?ID=169)

### **Build Greener - Free Sustainable Construction Workshop And Exhibition In Ashford, Kent – 17<sup>th</sup> March**

Ashford International Hotel, Simone Weil Ave, Ashford, Kent TN24 8UX

Build Greener: regional exhibition showcasing sustainably sourced and recycled content products with construction sector focused workshops and presentations

Your opportunity to:

- Meet suppliers and manufacturers of sustainable construction products
- Understand the opportunities sustainable procurement offers to the construction sector, particularly SMEs
- Participate in the interactive workshops including 'write the tender spec' and 'what to SMEs need and can green credentials help'
- Join a guided tour of local best practice construction sites (limited spaces)
- Have your questions answered by our panel of specialists

A full agenda is available at [www.remade-southeast.co.uk/events](http://www.remade-southeast.co.uk/events)

## **Yorkshire And The Humber Microgeneration Conference And Awards - 31st March.**

Majestic Hotel, Harrogate.

The Yorkshire and the Humber Microgeneration Conference and Awards Dinner will focus on the forthcoming Renewable Heat Incentive as well as reviewing the success of the Feed in Tariff on its first anniversary.

The Conference, hosted by the Yorkshire and the Humber Microgeneration Partnership, will be addressing the key issues related to microgeneration in our Region, embracing lively discussions and sharing experiences along the way. The exhibition is set to be bigger and better than ever, with room for over 40 companies to showcase their technologies, achievements, and information to delegates. Finally, following on from the success of last year, the day will again maximise delegate participation, with the return of key focused seminars, meet the customer and meet the installer sessions.

The Evening Awards Dinner aims to showcase the very best in renewable energy projects in our region. These Awards will not only highlight best practice but will also demonstrate how it can be replicated throughout our region and beyond.

We hope that industry professionals, customers, and all those with an interest in microgeneration will join us for this key influential event in our Regional calendar. The Awards Dinner 2011 will again see Paul Hudson, BBC Look North Weatherman and Climate Change Correspondent host the event whilst delegates enjoy a three-course gala dinner with wine.

If you would like to nominate yourself or another company for one of the 8 award categories as detailed in the above awards nomination flier please contact [info@yhmicrogeneration.org](mailto:info@yhmicrogeneration.org) to request relevant application forms. Closing date for nominations is 4th March 2011.

## **Sustainable Social Housing Best Practice Conference – 13 & 14 April 2011.**

Dexter House, Tower Hill, London

There are nearly five million affordable homes in the UK – and almost all of them will need to be upgraded to dramatically improve their environmental performance over the next decade. Tens of thousands of new, highly energy efficient new homes will also be built. So who has discovered the cleverest way of retro-fitting existing homes? What really works when it comes to making new properties as green as possible? How will it all be funded?

The Sustainable Social Housing Best Practice Conference 2011 builds on the success of last year's inaugural event; The 150 delegates at the conference in May 2010 were a mix of technical and development staff from the leading housing associations, local authority housing and maintenance experts, contractors and consultants.

Full details are at [www.insidehousing/sustainablesocialhousing](http://www.insidehousing/sustainablesocialhousing)

## **The Art Of Design: Materiality And Ideas**

A series of lectures and exhibitions hosted by Birmingham School of Architecture, Birmingham Institute of Art and Design, Birmingham City University and MADE from February to May 2011

Unless otherwise stated lectures will take place at 17.30 in the Emma Jesse Phipps Lecture Theatre, BIAD Gosta Green, Corporation Street, Birmingham B4 7DX.

For a full list and dates go to [www.made.org.uk](http://www.made.org.uk)

Cost: £5 (inc vat) Students free with valid student card.

To book: email [info@made.org.uk](mailto:info@made.org.uk) or call Sally on 0121 363 0064

## **Publications**

### **World on the Edge - How to Prevent Environmental and Economic Collapse - By Lester Brown**

ISBN 9781849712743

In this urgent time, World on the Edge calls out the pivotal environmental issues and how to solve them now.

We are in a race between political and natural tipping points. Can we close coal-fired power plants fast enough to save the Greenland ice sheet and avoid catastrophic sea level rise? Can we raise water productivity fast enough to halt the depletion of aquifers and avoid water-driven food shortages? Can we cope with peak water and peak oil at the same time? These are some of the issues Lester R. Brown skilfully distils in World on the Edge. Bringing decades of research and analysis into play, he provides the responses needed to reclaim our future.

Go to [www.earthscan.co.uk/wote](http://www.earthscan.co.uk/wote)

### **Renewable Energy For Residential Heating And Cooling - A Policy Handbook**

ISBN 9781849712781

This best practices handbook from the International Energy Agency's Renewable Energy Technology Deployment (RETD) Implementing Agreement provides energy policymakers and professionals in the renewable energy industry with a practical, easy to use guide and toolkit to the most effective policy options for deploying renewable energy for heating and cooling in the residential sector.

The book opens with a comparative review of renewable energy for heating and cooling policies in a broad range of IEA member countries from in Europe, Asia and North America, then goes on to present the policy approaches of the individual countries and more detailed studies of specific programmes. The second part of the book presents readers with flowcharts which allow them to navigate directly to the best practices which are most relevant to their situation. Planning, design and implementation are all covered, each with examination of the possible barriers that may be faced and the most appropriate policy response used to date.

Go to [www.earthscan.co.uk](http://www.earthscan.co.uk)

### **Construction In The Landscape: A Handbook For Civil Engineering To Conserve Global Land Resources By T.G. Carpenter.**

ISBN 9781844079230

Construction in the Landscape describes the impact of construction on the land and landscape where it takes place. Geographical coverage is necessarily global to reflect the great variation both in people's economic and social needs and in the shortage or abundance of natural resources.

Part I introduces both land resources, whether used for agriculture, human settlement or mineral extraction or conserved as scenery, wildlife habitat or for the undefined needs of future generations; and construction, its products, skills, processes and impacts on land resources.

Part II describes specific forms of civil engineering - from landform adaptation, through dams and river control works, coastal construction and transport infrastructure to particular types of structure such as bridges, towers and power stations, or the layout of complete settlements.

Part III deals with regional planning of construction and land use in different geographical circumstances - from fine scenery, through rural countryside to city and suburban development - and to the sort of land arrangements that may be sustainable for an increased but hopefully more civilized human population a century hence.

Go to [www.earthscan.co.uk](http://www.earthscan.co.uk)

### **Financing UK Carbon Reduction Projects (Ref: FB31)**

ISBN: 978-1-84806-168-2

This publication explores the funding of project-based carbon reduction projects in the UK by:

- surveying potential sources of supply and demand for such emission reductions
- examining the regulatory hurdles that need to be overcome to put a funding mechanism in place.

It recommends the creation of a comprehensive reporting framework for carbon reduction projects in the UK that can accommodate the variety of projects and carbon accounting and financial methodologies already in place for funding such projects. The ultimate goal of such a reporting framework will be to create a new asset class, namely project-based carbon reductions in the UK, so that the investment capital required to fund such emission reductions and help the UK to meet its climate change targets can be deployed most effectively across the entire range of voluntary and regulated projects in the UK.

Go to [www.brebookshop.com/details.jsp?id=326613](http://www.brebookshop.com/details.jsp?id=326613)

*If you have any news, events or courses you would like to publicise in Network then please email details to [network@aecb.net](mailto:network@aecb.net)*