



IHBC

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BUILDING · CONSERVATION

LONDON BRANCH



# An Inconvenient Roof?

## Renewable energy and the historic environment

**DAY CONFERENCE**

Tuesday 25th September 2007

Royal College of Physicians  
11 St Andrews Place  
Regent's Park  
London NW1 4LE

# An Inconvenient Roof?

## Renewable energy and the historic environment

Recently the growing interest in sustainability has forced everyone to consider their carbon footprints and it is commonplace for householders now to question their own domestic energy consumption. Actions, it seems, speak louder than words and the physical installation of renewable energy generators such as solar panels, photovoltaic cells, wind turbines, and biomass boilers are becoming increasingly common additions to our homes. However, with 373,000 listed buildings and over 9,000 conservation areas in England the challenge presented by built heritage is too large to be ignored and too important to be sidelined.

This, IHBC London Branch's 4th Annual Conference, offers conservation professionals, planners, architects, surveyors and engineers an opportunity to develop an understanding of the key renewable energy generation sources from leading practitioners and to examine and discuss the pros and cons of such installations on the historic environment.



This one-day conference is to be held in Denys Lasdun's Grade I listed Royal College of Physicians (1960–64).

### VENUE

The Royal College of Physicians is located at 11 St Andrews Place, Regent's Park and can be reached:

**By National Rail from Euston, Kings Cross, Marylebone and Paddington stations**

**By Tube from Regent's Park (Bakerloo Line), Great Portland Street (Circle, Metropolitan, Hammersmith and City lines), Warren Street (Victoria and Northern lines)**

**By Bus from Paddington and Marylebone, Nos. 18, 27, 30, 88, 205**

The Conference will provide an opportunity to gain CPD training for both IHBC members and members of other professional Institutes. A CPD certificate will be available to delegates at the end of the day.



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Day Conference, Tuesday, 25th September 2007

Royal College Of Physicians, 11 St Andrews Place, Regent's Park, London NW1

Chairman for the day:

**David McDonald** – Chair IHBC London Branch

### MORNING SESSION

09.15 REGISTRATION AND COFFEE

09.45 *Welcome:* **David McDonald**, Chair IHBC London Branch

09.50 *Keynote Address:* **Professor Max Fordham**, Max Fordham LLP

10.15 *Green and Heritage – A Win Win Situation?:* **Donnachadh McCarthy**, 3 Acorns Eco-audits

10.50 COFFEE

11.15 *Hard Facts and Reality:* **Dr Tim Yates**, Building Research Establishment

11.50 *Forthcoming Micro Renewables Guidance:* **Caroline Gunn**, English Heritage

12.25 Discussion and Chairman's Summary

12.45 LUNCH

### AFTERNOON SESSION

13.45 *The Sustainability Agenda and its Relationship to Conservation Concepts and Challenges:*  
**Graham King**, Westminster City Council

14.15 *Solar Power:* **David Matthews**, Solar Trade Association

14.40 TEA

15.05 *Heat Pumps:* **Richard Carrington**, Calorex

15.30 **CASE STUDY** – *Imperial Tobacco HQ, Lake Shore, Bristol:* **Robert Buckley**, Atelier Ten

16.00 Discussion and Chairman's Summary

16.20 CLOSE

## BIOGRAPHIES

**Max Fordham** founded Max Fordham LLP in 1966. The practice's holistic approach to the design of building services has contributed to a list of sustainable, award-winning buildings, most recently Heelis – the new HQ for the National Trust in Swindon – with Feilden Clegg Bradley, which won the RIBA Sustainability Award in 2006. Max Fordham is Fellow and Past Present of the CIBSE, and is Fellow of the Royal Academy of Engineering and Honorary Fellow of the RIBA. He is Visiting Professor in Building & Design at University of Bath and is the only Building Services Engineer on the Building Magazine's Hall of Fame list of 40 people who have had the greatest, most positive impact on building over the past 40 years.

**Donnachadh McCarthy** was the eco-auditor on the BBC2 series "It Is Not Easy Being Green", ITV's "How Green is Your House" and Sky's "Green Britain Week". He has a weekly column in the Independent and is author of "Saving the Planet Without Costing The Earth". He runs the eco-auditing consultancy *3 Acorns Eco-audits*. His home in Camberwell is one of London's only climate positive homes.

**Tim Yates** has more than 30 years involvement in the built heritage. He started as a field archaeologist in Northampton and then moved through the analysis of materials, particularly medieval glass, through the geochemistry of recent carbonate deposits to the weathering of buildings. He has been at BRE since 1986, working initially on the effect of acid rain and air pollution on buildings and building materials, then looking at climate change and buildings, and many years of work on the drafting of British and European Standards for the construction industry.

He is currently responsible for projects relating to the long term performance of buildings and including the selection and testing of stone and mortar for new and historic buildings, the assessment of building defects, and the sustainable refurbishment of older houses.

**Caroline Gunn** joined English Heritage nearly 4 years ago as a Senior Building Services Engineer in the Building Services Engineering and Safety team of the Conservation Department. She is responsible for producing the micro-renewables guidance for homeowners, working on producing energy benchmarks for the buildings in English Heritages care and offering advice on electrical and mechanical building services being installed in historic buildings as part of English Heritages grant work.

**Graham King** is Head of the City Planning Group at City of Westminster. He previously worked in the London Boroughs of Bromley (1973–9) and Richmond upon Thames (1979–84) on conservation and urban design issues.

He joined Westminster in 1984, initially as a Conservation Officer and latterly dealing with policies, major projects (Golden Jubilee footbridges) and transportation schemes (Crossrail, Cross River Tram) and major regeneration and redevelopment schemes (Paddington, Victoria).

**David Matthews** joined the National Energy Foundation in 2006 as Chief Executive of the Solar Trade Association (STA) and Ground Source Heat Pump Association (GSHPA). Before joining NEF, David studied and worked in Renewable Energy in Zimbabwe and on returning to Britain, established a Solar Thermal installation, supply and consultancy business. He spent most of 2006 working in Brussels for some of the European RE trade associations. David has a particular interest in the future development of Building Integrated Renewables.

The STA is Britain's oldest Renewable Energy Trade Association; it will be celebrating its 30th anniversary in 2008 and the GSHPA was established in 2006 to represent installer, designer etc interests. Both Associations are actively part of the new wave of Renewable Energy in the UK.

**Richard Carrington** is Managing Director of Calorex. Calorex is one of Europe's leading manufacturers of heat pumps and dehumidifiers. For more than 30 years it has successfully developed heat pumps suitable for hundreds of different applications. Their international experience has allowed them to adapt products to meet different market needs and climatic conditions and which can work in partnership with other high efficiency energy saving products.

**Robert Buckley** joined Atelier Ten Consulting Engineers in 2006 having previously worked with Battle McCarthy, Arup, Buro Happold and WSP. In his roles as Environmental Sustainability Specialist and Building Services Design Consultant he has been the key driver in the delivery of landmark projects throughout Europe, America and Australasia including The Pyramid of Peace, Kazakhstan; the Millenium Dome, London; Genzyme Headquarters Building, Boston and the Darwin Centre, Natural History Museum, London.

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Royal College of Physicians Tuesday 25th September 2007

### BOOKING FORM

Organisation \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_ Postcode \_\_\_\_\_

Telephone \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

### Delegates

*Name*

*Position*

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

Conference fee (to include buffet lunch) £95 for IHBC members, £145 for non members.

Cheques should be made payable to IHBC London Branch.

Please return booking form with remittance **before 18th September 2007** to:

Nick Collins, 21 Holland Close, Bromley, London BR2 7DS.

### Terms

The organiser reserves the right to cancel, postpone or modify the conference. In the event of cancellation by the organiser, any fees paid will be refunded in full. The following terms will apply to the cancellation of bookings by delegates:

1. Cancellations received up until 11th September 2007 will incur an administrative charge of 15% of fees due.
2. Cancellations received on or after 11th September 2007 will incur an a charge equal to the full fees due.

An acknowledgement of receipt will be sent by return.

### Information

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