

## Natural Ventilation

**Tuesday, 23 November 2010**  
**2pm - 5pm**  
**Green Park, Reading**

### **RIBA South**

Room G01, Building L019  
University of Reading  
London Road  
Reading  
Berkshire  
RG1 5AQ

**T: 0118 987 4900**  
**F: 0118 931 4493**  
**E: [riba.south@inst.riba.org](mailto:riba.south@inst.riba.org)**  
**W: [www.architecture.com/ribasouth](http://www.architecture.com/ribasouth)**

*Sponsored by*

## Natural Ventilation

Ventilation is a critical factor in determining the environmental performance of buildings, from energy use to the health and comfort of the occupants. Natural ventilation schemes allow air movement through buildings without the need for high-energy fans to drive the flow. It is often enhanced by pre-cooling or pre-heating the air, and in some cases it may supplement a mechanical ventilation system to form a hybrid ventilation scheme.

This seminar will introduce delegates to the principles and practice of natural ventilation using state of the art laboratory and computer modelling techniques, and monitored case studies. It will also give delegates the opportunity to apply the ideas presented in a series of case studies.

### The aims of the seminar are to:

- Bring together architects and engineers interested in using design concepts for low energy loads for buildings
- Introduce the concepts of natural ventilation in buildings and the challenges of its implementation
- Provide a forum for current design problems to be discussed
- Introduce new techniques available for the design of low energy buildings to comply with Building Regulations Parts L and F.

## Speakers

### Professor Andrew Woods and Dr Shaun Fitzgerald, BP Institute, University of Cambridge

Professor Woods has extensive experience in the modelling of air flow through buildings and has published numerous articles on the fundamentals of natural ventilation.

Dr Fitzgerald is an engineer who has undertaken fundamental research in natural ventilation and worked on low energy buildings providing consulting design services for clients ranging from FTSE100 firms to small architectural practices.

### CPD: Professional Context; Sustainable Architecture and Construction Skills; Technical Innovations

## Programme

1.30pm Registration with tea & coffee  
2.00pm - 5.00pm Seminar

**This event qualifies for 3 hours CPD.** RIBA members are required to complete 35 hours of CPD per year. 19.5 hours should come from the Core Curriculum. Within this, it is compulsory to study 2 hours in health and safety matters.

## Natural Ventilation Tuesday, 23 November 2010

### Booking Form

Name	
Practice Name	
Address	
Postcode	
Telephone	
Email	

### Fees

Members	£55.00 + VAT (£64.63)
Non-Members	£65.00 + VAT (76.38)
Student Members	£27.50 + VAT (£32.31)

\* Please note that the above fees are calculated at the VAT rate of 17.5%

### Payment Details

- Please find a cheque enclosed for £..... made payable to RIBA South
- I would like to make a donation of £.....to the Architects Benevolent Society

### Please specify any dietary or access requirements

.....

Please return this form to RIBA South, Room G01, Building L019, University of Reading, London Road, Reading, RG1 5AQ or fax back to **0118 931 4493**

### Booking Conditions

- Refunds cannot be made, but substitutes are accepted at any time. Please inform RIBA South of any changes by calling **0118 987 4900** or emailing [adam.turner@inst.riba.org](mailto:adam.turner@inst.riba.org)
- Please note bookings cannot be confirmed until payment has been received.
- VAT receipts will be sent to you along with a confirmation letter and a map/directions once your booking form and payment has been received.