

# REGISTRATION FORM

## personal details




NAME {IN FULL} (MR/MRS/MISS ETC): \_\_\_\_\_  
CONTACT ADDRESS: \_\_\_\_\_  
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IFE MEMBERSHIP NUMBER: \_\_\_\_\_ IFE MEMBERSHIP GRADE: \_\_\_\_\_  
ORGANISATION: \_\_\_\_\_  
JOB TITLE: \_\_\_\_\_  
SPECIAL DIETARY REQUIREMENTS: \_\_\_\_\_

## payment

I ENCLOSE PAYMENT:  
CHEQUES, BANK DRAFT (ON A LONDON BANK IN STERLING OR EUROS) AND POSTAL ORDERS TO BE MADE PAYABLE TO 'IFE PUBLICATIONS LTD'. ALL BOOKINGS MUST BE RECEIVED BY TUESDAY 12TH JUNE 2007.

OR PLEASE CHARGE MY CREDIT CARD:

CARD No: \_\_\_\_\_  
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PLEASE NOTE THERE WILL BE A CHARGE OF:  
£1.50 PER DEBIT CARD AND  
£3.50 PER CREDIT CARD TRANSACTION

Please send completed forms to:

Helen Griffiths, The Institution of Fire Engineers (IFE), London Road, Moreton in Marsh, GL56 0RH.  
Tel: +44 (0) 1608 812585 Fax: +44 (0)1608 812581. E-mail: helen.griffiths@ife.org.uk  
All bookings must be received by Tuesday 12th June 2007.



THE INSTITUTION OF FIRE ENGINEERS

# The 2007 Rasbash Lecture

## “Fire Modelling... the story so far”

To be delivered by **Professor Geoff Cox,**  
**Technical Director (retired) of the Fire Research Division of BRE**

## Tuesday 19th June 2007

at

**Building Research Establishment,  
Bucknalls Lane, Watford,  
WD25 9XX, UK**



Engineering  
Council  
Division

**RUSHBROOK**  
CONSULTING ENGINEERS



## programme

- 10.00** Registration and coffee
- 10.30** Welcome - (Mr John Woodcock , Chairman ECD)  
Introduction to the Rasbash Lecture - Professor Dougal Drysdale
- 10.45** **The 2007 Rasbash Lecture: "Fire Modelling...the story so far"**  
Professor Geoff Cox, Technical Director (retired) of the Fire Research Division of BRE
- 11.25** Discussion  
Chairman: Professor David Charters
- 11.35** *"Fire Models in Design"* (Dr Mick Green, Buro Happold)
- 12.00** *"Evacuation Modelling in Design"*  
(Mr Jeremy Gardiner, Jeremy Gardiner & Associates)
- 12.25** Discussion
- 12.45** Lunch  
Chairman: Mr Nathan Hewitt
- 13.45** *"Fire Modelling - reliability issues"*  
(Dr John Hopkinson, Faber Maunsell)
- 14.10** *"Integrating Fire and Structural Models"* (Dr Allan Jowsey, Arup Fire)
- 14.35** Discussion
- 14.50** Tea/coffee
- 15.10** *"Tunnel Fire Modelling - validation against experimental data"*  
(Dr Yajue Wu, University of Sheffield)
- 15.35** *"FireGrid - Forecasting Fire Dynamics to lead the Emergency Response"*  
(Dr Guillermo Rein, BRE Centre for Fire Safety Engineering, University of Edinburgh)
- 16.00** Discussion
- 16.30** Close

## David Rasbash



David Rasbash was a pioneer in the field of fire engineering; he had a very broad vision and a wide-ranging interest in many subjects, and recognised no barriers between chemistry, chemical engineering, physics, statistics, material testing, and so on. He was involved in some aspect of fire research which continued beyond his formal retirement.

David was a chemical engineer who graduated at Imperial College during World War 2. In his early career, David conducted significant research on various

techniques of fire extinction, assisting firefighters. He also was interested in the production of smoke and its effect on visibility. David was an early proponent of the standardisation of automatic fire detection; he also carried out early work on explosions, and later became involved in the evaluation of fire safety and the quantification of risk - all his contributions to these subjects have become standard references.

After working in industry (Fire Research Station), David rejoined the academic world and was appointed the first Professor of Fire Engineering at the University of Edinburgh. The firm foundation laid by David contributed to the confidence of the Engineering Council that Fire Safety Engineering was a discipline worthy of recognition, which eventually culminated in the formation of the IFE Engineering Council Division.

<b>DATE</b>	Tuesday 19th June 2007
<b>REGISTRATION</b>	10.00 hrs
<b>TIME</b>	10.30 - 16.30 (including lunch)
<b>VENUE</b>	Building Research Establishment (BRE), Bucknalls Lane, Watford, WD25 9XX, UK
<b>COST</b>	<b>£120</b> IFE Members <i>(price includes refreshments &amp; buffet lunch)</i> <b>£160</b> Non IFE Members <i>(price includes refreshments &amp; buffet lunch)</i>
<b>PAYMENT DETAILS</b>	Cheques should be made payable to IFE Publications Ltd.  No refunds will be made for cancellations received after 7th June 2007.
<b>CONTACT</b>	Helen Griffiths, The Institution of Fire Engineers (IFE), London Road, Moreton in Marsh, GL56 0RH Tel: +44 (0)1608 812585 Fax: +44 (0)1608 812581 Email: helen.griffiths@ife.org.uk

## event details

BRE's Garston site is 20 miles from Central London, four miles north of Watford, and a mile from Garston itself. BRE is very close to the junction of the M1 and M25 motorways. Mainline train services from London Euston pass through Watford, and London's main airports are all within 60 miles.

### PUBLIC TRANSPORT

**Travelling by train:** The nearest mainline station to BRE is Watford Junction, on the London (Euston) to Glasgow line. It is a three mile taxi ride or bus journey (see below) from the station to BRE. Local train services through Garston and Bricket Wood do not provide access to BRE.

**Bus services:** Local service 321 between Watford Junction station and St Albans, and the 724 airport coach service from Heathrow towards Harlow, pass close to BRE (alight at St Michael's School). A pedestrian underpass connects across to Bucknalls Lane.

### TRAVELLING BY ROAD

**From the M1:** Leave the M1 at Junction 6 (the A405, signposted to St Albans if approaching from London, and North Watford if approaching from the north). Follow the tight bend of the slip road round and join the southbound A405 towards North Watford. After half a mile, turn left at the traffic lights into Bucknalls Lane (signposted to BRE). BRE entrance is on the left at the end of the lane, after the motorway bridge.

**From the M25:** Leave the M25 at Junction 21A (signposted A405 to St Albans if approaching from the west and Watford / M1 if approaching from the east). Turn onto the A405, following signs to North Watford. After half a mile, continue straight on at traffic lights, passing under the M1. After a further half mile, at the next traffic lights, turn left into Bucknalls Lane (signposted to BRE). BRE entrance is on the left at the end of the lane, after the motorway bridge.

**Satellite navigation / online route planner users:** An error in many mapping databases will give incorrect directions to BRE if you enter our postcode. Instead, enter WD25 9NH and this will bring you within sight of the BRE main entrance. (Please don't use this code when posting items to BRE.)

## how to get there

