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PROGRAMME & REGISTRATION FORM

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The Queen Elizabeth II Conference Centre

London, England

12th - 13th February 2008





INDUSTRIAL SPONSORS

The organisers would like to thank the following companies for their generous support and sponsorship of Flame Retardants 2008.



THE EVENT

For a quarter of a century the Flame Retardants conferences have provided an unprecedented forum for the introduction of new technological achievements and an exceptional opportunity for delegates to network with colleagues and clients from across the globe. The 13th Flame Retardants conference continues this long tradition.

Flame Retardant 2008 promises to be an excellent forum for the FR industry to discuss and debate important issues such as the REACH directive and ecological matters, regulatory developments and standards.

Papers will address, new materials, new product developments, novel applications including nanotechnology; changes in assessment or methods or regulations that will affect those working in the flame retardants, the plastics industries or industries manufacturing products incorporating these materials.

A packed programme sees 28 technical papers being presented over a two day period from nine countries including USA, Japan, Germany, Belgium, Sweden, Netherlands, Italy, France and the UK by leading members in their field such as Sieghard Goebelbecker, (EFRA/Eurobrom ICL-IP, Netherlands), Gordan Damant (InterCity Testing and Consulting Corp, USA), Marc Janssens, (SWRI, USA), Rich Lyon (FAA, USA), Jeff Gilman (NIST, USA), Adrian Beard, (EFRA/Clariant, Germany).

The conference is once again supported by the exhibition, which has always been popular with delegates. Space is limited and sells very quickly and as an added bonus to exhibitors and delegates alike, the conference dinner drinks reception on the 12th February will take place in the Exhibition Area. Dinner will be served in the magnificent Great Hall of One Great George Street, located next to the Queen Elizabeth II Conference Centre.

THE ORGANISERS

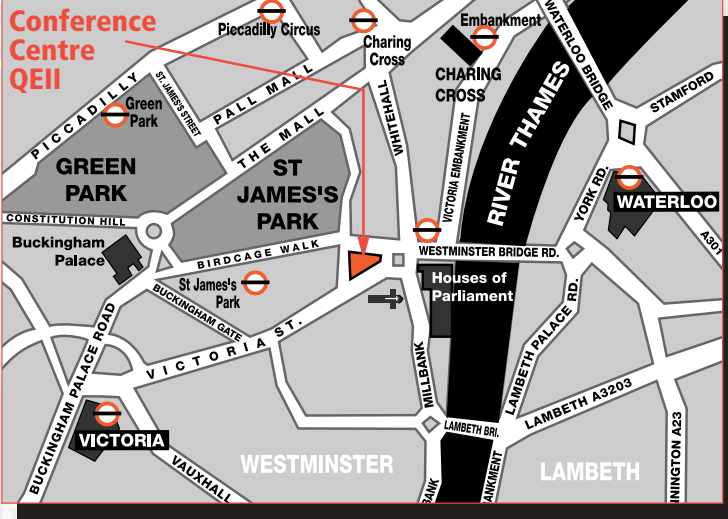
This event is organised by the British Plastics Federation and Interscience Communications in association with the Plastics Europe, European Flame Retardants Association (EFRA).

THE ORGANISING COMMITTEE

- D L Buszard**, Consultant, UK
- S J Grayson**, Interscience Communications Ltd, UK
- P K Law**, British Plastics Federation, UK
- C Lukas**, Plastics Europe
- A Beard**, Clariant GmbH, Germany

THE VENUE AND LOCATION

The Queen Elizabeth II Conference Centre is London's premier conference venue set in the heart of Westminster opposite the Houses of Parliament. The Centre is conveniently situated for transportation and is served by both Westminster (3 mins) and St James Park (5 mins) Underground Stations (District & Circle lines). Victoria and Charing Cross mainline railway stations are both 15 minutes walk away. Major London tourist sites i.e. Westminster Abbey, Buckingham Palace, St James Park, Trafalgar Square and the National Gallery are all within a few minutes walk of the Centre.



EXHIBITION

The success and popularity of the table top exhibition continues. Organisations interested in displaying products, services, books, journals, instruments, software and fire consultancy etc. should contact the Secretariat for further information on rates and space availability. We are pleased to announce Exhibitors already confirmed at this event are:

- EFRA
- Fire Proof
- Fire Testing Technology Ltd
- ICL Industrial Products
- Omya UK
- Rio Tino Minerals

LITERATURE SERVICE

A literature display service will be operational at the conference. Organisations wishing to promote their products/services via the display of their corporate literature should contact the organisers for rates.

CONFERENCE DINNER

The conference Dinner will be held in the prestigious Great Hall of One Great George Street, which is the grand Victorian Building adjacent to the Conference Centre. The Drinks Reception preceding the dinner will be held in the Exhibition area of the QE II Centre giving conference delegates more time to view the exhibition. The price of the drinks reception and dinner is included in the full delegate fee. Extra tickets will be available on a first come first served bases for guests. The cost of an extra dinner ticket is £75 + £13.12 VAT = £88.12.

CONFERENCE ENQUIRIES TO:

Conference Secretariat:

Interscience Communications

West Yard House

Guildford Grove

Greenwich, London

SE10 8JT. England

Tel: +44 (0)20 8692 5050

Fax: +44 (0)20 8692 5155

Email: intercomm@dial.pipex.com

ACCOMMODATION

Due to London being extremely busy this week we have appointed the **Corporate Team** to help delegates with their accommodation bookings. This is a free service for delegates and they have a choice of hotels in the area. Follow this link or use the details below to view hotel details or make a booking:

<http://www.corporateteam.com/events/11222A>

When contacting The Corporate Team to make a hotel booking please quote ID :11222A

Telephone: 020 7592 3050 or

email: qeiiichotels@corporateteam.com

The conference hotel will be the St Ermins.

As London is an extremely popular and very busy, you are urged to make hotel reservations early to avoid disappointment. With the rise of global on-line booking agencies (ie. Expedia etc) extremely competitive prices can be found. Whilst we make every effort to secure the best deals for our delegates better rates may be found via the internet. There has been an increase in the number of budget hotels in the Westminster vicinity and those closest to the conference venue are Travel Inn Belvedere Road, Comfort Inn Westminster and the Novotel, Lambeth Palace Road. Check out London and accommodation websites at:

- www.londontouristboard.com
- www.londontown.com (often have excellent rates)

REGISTRATION & CANCELLATION

To register complete the registration form and email, mail, fax or register on-line at www.intercomm.dial.pipex.com. Full registration includes attendance at all the conference sessions, refreshments, lunch, drinks reception and conference dinner, a hard-bound book of proceedings and the papers on CD Rom. A cheque in Pounds Sterling, payable on a UK Bank, or credit card details should accompany the completed form (£15 should be added to the total if paying by a bank transfer or credit card). A receipted invoice will be sent along with confirmation of your registration. All delegates are required to pay VAT. All registration fees must be paid before the conference. If payment has not been received then the delegate will be requested to guarantee payment at registration.

Registered delegates will receive a set of joining instructions approximately 2 weeks prior to the conference. These will contain all details regarding the venue and registration. If you need to cancel you should notify Interscience Communications in writing by 1st February 2008. A full refund (minus a 20% administration charge) will be issued. No cancellations will be accepted, or refunds issued, after the 1st February however, substitutions are welcome at any time.

All Registrations and Payment Enquiries to: **Interscience Communications Ltd**

West Yard House, Guildford Grove, Greenwich, London SE10 8JT, UK.

Tel: +44 (0)20 8692 5050 Fax: +44 (0)20 8692 5155 E-mail: intercomm@dial.pipex.com

PROGRAMME : Tuesday 12th February 2008

09.20 Introduction and Welcome

REACH & REGULATIONS: Chair: **David Buszard**, Consultant, UK

09.30 Flame Retardants and REACH: What Does It Mean For The FR Industry?

Adrian Beard, EFRA / Clariant GmbH, Germany

09.50 Antimony Trioxide use as Flame Retardant: Conclusions of EU Risk Assessment and Outlook to Reach Consortia Formation

Karine Van de Velde, International Antimony Oxide Industry Association (IAOIA), Belgium

10.10 Regulatory Developments In North America That Will Affect The Use Of Flame Retardants

Marcelo Hirschler, GBH International, USA

10.30 VECAP: Controlling Emissions And Protecting The Environment By Continuous Improvement

Lein Tange, Eurobrom B.V. ICL-IP, The Netherland, **V Steukers**, Albemarle Europe, Belgium, **P Adriaenssens**, Qualipa BvBA, Belgium

10.50 Discussion

11.05 Refreshments

Chair: **Stephen Grayson**, Interscience Communications, UK

11.30 Burning Issues: The Role of Textile Related Consumer Products in U.S Fires

Gordan Damant, InterCity Testing and Consulting Corporation, USA

11.50 Developments In Textile Regulations And Standards (to include Furniture Developments)

Don Christian, Chair of CEN 127, UK

12.10 Development In The Building Product Regulations Standards And New Opportunities For Materials Suppliers

Bjorn Sundström, SP, Sweden

12.30 Development in regulatory classification methods that will effect the European Cable Industry and its suppliers

Terence Journeaux, Prysmian Cables & Systems Limited

12.50 Discussion

13.05 Lunch

SAFETY: Chair: **Christine Lukas**, DOW Chemicals, Germany

14.15 The Human Cost of Fires in the Home

Ken Dunn, Consultant Burns and Plastic Surgeon, South Manchester University Hospital, UK

- 14.35 City Fire and its Measures in Japan**
Koji Kagiya, Nat'l Inst for Land & Infrastructure Management, Japan

- 14. 55 High Risk Items In Home Fires - Fire Safety Regulations And Benefit For Home Fire Safety**
Anja Hofmann, C Knaust, BAM Federal Institute for Materials Research and Testing, Germany,
A Beard, Clariant, Germany

- 15.15 Discussion**

- 15.30 Refreshments**

- 16.00 Implementation Of Higher Fire Safety Requirements For European Televisions**
Rudi Borms, ICL-IP, Belgium, **P Georlette**, ICL-IP, Isreal, **Y. Bar Yaakov**, ICL-IP, USA

- 16.20 Fire Risk of Electrical Household Appliances when subject to External Ignition**
Sieghard Goebelbecker, EFRA / ICL-IP, The Netherlands, **A Beard, S Kroon**, EFRA, Belgium

- 16.40 Discussion**

FR MECHANISMS : Chair: **Marcelo Hirschler**, GBH Int'l USA

- 16.50 A Molecular Basis For Polymer Flammability**
Rich Lyon, FAA, USA

- 17.10 Phosphorus Containing Flame Retardants in Epoxy Resins**
Manfred Döring, J Artner, M Ciesielski, A Schaefer, S Seibold, Karlsruhe Research Centre, Germany

- 17.30 Aluminium Phosphinate in Glass-Fibre Reinforced Polyester**
Ulrike Braun, H. Sturm, B Schartel, BAM Federal Institute for Materials Research and Testing, Germany

- 17.50 Discussion**

- 18.05 Drinks Reception in Exhibition Area**

- 19.30 Conference Dinner**

PROGRAMME : Wednesday 13th February 2008

COMMERCIAL DEVELOPMENTS: Chair: **Adrian Beard**, EFRA, Belgium

- 09.00 New Applications of Phosphinates in Electronics**
Sebastian Hörold, E Schmitt, Clariant GmbH, Germany

- 09.20 New Development in PTFE-Based Drip Suppressants**
Bill Rowles, Dyneon GmbH & Co KG, Germany

09.40 Thermoplastic Compositions Based On Environmental Friendly Flame Retardants And Smoke Suppressants

Hendrik Wermter, T Futterer, Chemische Fabrik Budenheim, Germany,
V Mans, E Tortosa, D Garcia, Budenheim, Spain

10.00 Innovative Flame Retardant Systems Based On A Novel Phosphorus Technology

Norberto Gatti, U Zucchelli, S Costanzi, Italmatch Chemicals Spa, Italy

10.20 Discussion

10.40 Refreshments

NANOCOMPOSITES: Chair: **Richard Lyon**, FAA, USA

11.10 Foam Nanocomposites Flammability,

Jeff Gilman, NIST, USA

11.30 Fire Engineering Techniques For Studying New Innovative Materials Such As Nanocomposites And Technical Textiles

Patrick Van Hees, Lund Univ, Sweden

11.50 Thermo Gravimetric-Fourier Transform Infra Red (TGA-FTIR) Investigation of Polyamide 6 (PA6) Nanocomposites

Michael Delichatsios, M Hagen, D Bakirtis, J Zhang, T Okpalugo, J Hereid,
University of Ulster, UK

12.10 New Nanostructured Fillers As FRs in PVC Cable Compounds

Gunter Beyer, Kabelwerk EUPEN, Belgium

12.30 Discussion

12.50 Lunch

TESTING: Chair: **Bjorn Sundström**, SP, Sweden

14.10 Using The Cone Calorimeter For Product Development

Marc Janssens, SWRI, USA

14.30 Rapid Analysis of Flame Retardants in Polymers

Gary Stevens, P Baird, H Herman, W Mortimore GnoSys UK Ltd, UK, **P Georlette**, ICL-IP, Israel

14.50 Toxic Properties of Materials For Use in Marine Vessels - Current and Future Test Methods

Cuthbert Chong, J Hunter, QinetiQ Ltd, UK

15.10 Comparison of Traditional Flame Retardant Test Methods and Cone Calorimeter Data For Various Types Of Polyamide Resins Used In The Electrical Industry

James. W. Mitchell, X. Couillens, Rhodia Polyamide, France

15.30 Discussion

15.50 Close of Conference and Tea

FLAME RETARDANTS 2008 REGISTRATION FORM



Return to: Interscience Communications Ltd

West Yard House, Guildford Grove, Greenwich, London SE10 8JT, UK. Tel: +44 (0)20 8692 5050 Fax: +44 (0)20 8692 5155

Please photocopy this form to keep your brochure complete. Use one form per delegate.

SurnameProf Dr Mr Mrs Miss Ms

First Name:Name on Badge:

Company/Organisation:

Address:

..... Country

Tel (include country code): Fax:

E-mail address:

Please state any special dietary requirements

Type of Registration	Quantity	£ (Inc VAT)
Full Registration @ £550 + £96.25 VAT = £646.25 I will/will not* attend the Conference Dinner (*please delete as necessary)		
1-Day Registration @ £330 + £57.75 VAT + £387.75 State Day Attending Tues 12th <input type="checkbox"/> Weds 13th <input type="checkbox"/>		
Additional Dinner Tickets @ £75 plus VAT £13.12 = £88.12 Subject to availability		
	Sub Total	
PLUS £15 surcharge if paying by bank transfer or by credit card		
	TOTAL	

PAYMENT DETAILS: Payment must be received before the event. All cheques to be paid in £ sterling drawn on a UK based bank and made payable to the **Interscience Communications Ltd**.
When paying by BACS or by bank transfer please quote "FR 2008" and Delegate Name or Invoice number.

Bank Details: National Westminster Bank plc, Clapham Junction Branch, 66/68 St John's Road, Battersea, London SW11 1PB, UK. **Account Name:** Interscience Communications Ltd **Account Number:** 34846298
Sort Code: 50 21 01 **IBAN Code:** GB34NWBK50210134846298 **SWIFT Code:** NWBKGB2L

CREDIT CARD PAYMENTS (£15 surcharge to be added to all credit card payments)
Type of card: Mastercard <input type="checkbox"/> Visa <input type="checkbox"/> Amex <input type="checkbox"/> Card Holders Name:
Credit Card Number (please print clearly):
Expiry Date: Signature:
Security No. (last 3 digits on reverse of card)

Office use only:

Authorisation Code:..... Date Paid:.....

CO:.....ID:.....Batch:.....Booking:.....Invoice:.....

Cancellation: If you are unable to attend after having confirmed your registration, your registration may be transferred to any member of your company but please let Interscience Communications know of the change in writing. Refunds can be made in the case of a written cancellation two weeks prior to the event (before 1st February 2008), however an administration charge of 20% will be deducted. No refunds can be made after the 1st February 2008.

Data Protection: The personal information provided by you will be held on databases by Interscience Communications Ltd and you may occasionally be sent mail on related issues. If you do not want to receive this information please tick here.