

FIRE RESISTANCE IN PLASTICS 2010

Trends and technical developments in the international flame retardant industry



7 - 9 December 2010
Intercontinental Hotel, Düsseldorf, Germany

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Fire Resistance in Plastics 2010 will be the fifth international conference organised by Applied Market Information Ltd. The event will provide a unique business conference and exhibition for all companies involved in flame retardancy and flame retardant plastics to learn about the latest developments that will influence the industry.

Health and safety issues are requiring ever higher standards for fire resistance in a wide range of consumer and industrial products where plastics are used, such as household appliances, computer housings, automotive interiors and cables. New flame retardant systems are constantly developed to meet both product safety and environmental concerns regarding these additive products. To inform processors and their customers on the latest developments, this event will bring together a panel of experts to discuss the latest state of the art in flame retardancy.

The various conference sessions will provide a complete overview of current flame retardancy technology including halogen vs. non-halogen, zinc borates, metal hydroxides, brominated flame retardants and nanocomposites for use in plastics materials. There will also be papers looking at testing and standards, new EU FR-regulations and the toxicology of fires.

Whatever your interest in fire resistance, be it as a systems supplier, a processor or end user, this event will provide an ideal opportunity to meet with like-minded professionals and find out about the latest developments and trends.

EARLY BIRD REGISTRATION OFFER

Register before 8th November 2010 and pay €800* saving €190* on the full price of €990*. There are additional discounts for group bookings. The registration fee includes attendance at all conference sessions, the Welcome Cocktail Reception, lunch and refreshment breaks on both days, and a set of Conference Proceedings.

SPONSOR THIS EVENT

A variety of sponsorship opportunities are available at this conference to help to promote and enhance your company's products and services to this highly targeted international audience. Contact the conference hotline for further information.

CONFERENCE VENUE

Düsseldorf is a good place for dining out, culture and shopping. The conference will take place at the Intercontinental Hotel, which is conveniently located in the centre of the city on the famous Königsallee, Germany's most sophisticated mile, and is less than half a kilometre from the Altstadt (Old Town).

* +19% German VAT

CONFERENCE HOTLINE

Contact: Adele Brown, Senior Conference Organiser
Tel: +44(0)117 924 9442
Fax: +44(0)117 311 1534
E-mail: ab@amiplastics.com
for further information about this event

See the latest programme and confirmed speakers at:
www.amiconferences.com

Tuesday 7th December 2010

17.00 Registration
18.00-19.30 Welcome Cocktail Reception
There are no conference sessions on this day

Chairmen: Mr. Andy Beevers, Editor Compounding World, AMI PUBLISHING, United Kingdom and Dr. Günter Beyer, Manager of Phys.& Chem. Laboratories, KABELWERK EUPEN AG, Belgium

Wednesday 8th December 2010

08.00 Registration and welcome coffee
09.00 Opening announcements

SESSION 1 – INTUMESCENT FLAME RETARDANT SYSTEMS

- 09.10 **Overview and perspectives on intumescent fire retardant polymer materials**
Prof. Giovanni Camino, Full Professor, POLYTECHNIC OF TURIN, Italy
- 09.40 **Review and latest development of polyalcohol carbon source for intumescent flame retardant thermoplastics**
Mr. David James, Market Development Manager, PERSTORP AB, Sweden
- 10.10 **New class of nitrogen and phosphorous based flame retardants for engineering plastics**
Dr. Trupti Dave, Managing Director, CATENA ADDITIVES GmbH & Co. KG., Germany

10:40–11:10 Morning coffee sponsored by:



- 11.10 **Green and sustainable solution for the reduction of smoke related fire-hazards using advanced intumescent flame retardant system**
Mr. Detlef Gukumus, Sales Manager and Mr. Tetsuo Kamimoto, General Manager-Flame Retardant Research Group and Dr. Tomoyuki Hatanaka, Manager-Flame Retardant Research Group, ADEKA PALMAROLE SAS, France
- 11.40 **Flame retardancy of bio-based polymers**
Prof. Serge Bourbigot, Head of Research, ENSCL – ISP/UMET, France

SESSION 2 - TESTING & REGULATIONS

- 12.10 **Focus on the new European reaction to fire tests: how to think about a new way to make plastic fire-proof?**
Mr. Skander Khelifi, Development Manager, CREPIM, France

12:40–14:10 Lunch

- KEYNOTE SPEAKER**
14.10 **Fire safety regulations and testing developments in building, transportation, electrical engineering and electronics**
Dr. Jürgen Troitzsch, Consultant, FIRE & ENVIRONMENT PROTECTION SERVICE, Germany

- 14.40 **Flame retardants in plastics – regulatory status and future developments**
Dr. Florian Kohl, European Advocacy Representative, ALBEMARLE EUROPE SPRL, Belgium

15:10–15:40 Afternoon tea

SESSION 3 - NEXT-GENERATION FLAME RETARDANT FORMULATIONS

- 15.40 **Novel flame retardants for electronics, building and construction applications**
Mr. Michael Kearns, Technical Service Manager,
CHEMTURA TECHNOLOGY (BELGIUM) N.V., Belgium
- 16.10 **New polymeric flame retardant solutions**
Dr. Sieghard Goebelbecker, Technical Development Manager
Flame Retardants,
ICL-IP EUROPE B.V., Netherlands
- 20.00 Conference Dinner at the Victorian Restaurant

Thursday 9th December 2010

- 08.30 Registration and welcome coffee
- 09.00 Opening announcements

SESSION 4 – NANOCOMPOSITES AS FLAME RETARDANT SYSTEMS

- 09.10 **An overview: 10 years of global research on flame retardancy by nanocomposites - what we know and what is still unsolved**
Dr. Günter Beyer, Manager of Phys.& Chem. Laboratories,
KABELWERK EUPEN AG, Belgium
- 09.40 **Novel tin-layered double hydroxide hybrid fire retardants and their application in nanocomposite cable formulations**
Dr. Paul Cusack, Technology Manager,
ITRI LIMITED., United Kingdom

SESSION 5 – HALOGEN-FREE FLAME RETARDANT SYSTEMS

- 10.10 **PIN-flame retardants – a growing toolbox for the polymer industry**
Dr. Michael Klimes, Director Division Functional Fillers,
NABALTEC AG and PINFA Chairman, PINFA, Germany
- 10.40-11.10 Morning coffee
- 11.10 **Metal hydrates, synergists and flame retardant combinations**
Mr. James Innes, President,
FLAME RETARDANTS ASSOCIATES Inc., United States
- 11.40 **Synergies between zinc stannate and flame retardants in polyamides**
Prof. Richard Horrocks, Research Professor,
UNIVERSITY OF BOLTON, United Kingdom
- 12.10 **New halogen-free flame retardants for films and thin-walled applications**
Mr. Jérôme De Boysère, Group Business Manager FR Plastics,
THOR GmbH, Germany
- 12:40–14:10 Lunch
- 14:10 **Halogen free flame retardants for electrical and electronic applications – current status and new developments**
Dr. Heinz Herbst, Head Global Product Development Molding,
BASF SCHWEIZ AG, Switzerland
- 14.40 **Halogen free flame retardant (HFFR) compounding with EVM**
Mr. Kay Varnhorn, Technical Manager,
LANXESS DEUTSCHLAND GmbH, Germany
- 15:10 Afternoon tea and conference ends

AMI reserves the right to alter the programme without notice.
The latest programme including any new speakers or changes to schedules can be viewed on our website www.amiconferences.com

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FIRE RESISTANCE IN PLASTICS 2010: EXHIBITION SPACE

Make it easy for the delegates to find you at this busy event with your own table top exhibition space. Bring your own display stand, or just use the space to have literature and samples available and ensure that you make an impact. The table top exhibition will run throughout the conference in the spacious lobby to the main meeting room.

Includes one free delegate place!

Space is limited so to avoid disappointment please register for this service as soon as possible.

HOTEL ACCOMMODATION

Delegates are responsible for arranging their own hotel accommodation whilst attending the conference. However, AMI have reserved a limited number of rooms for delegates at the Intercontinental Hotel, at the rate of €159 for a single room including breakfast.

To make a reservation, please contact the Reservations Department on: **Tel: +49 211 8285 1123 Fax: +49 211 8285 1111**

Email: duesseldorf@ihg.com

Please state that you will be attending AMI's Fire Resistance in Plastics 2010 conference.



FIVE GOOD REASONS WHY YOU SHOULD ATTEND:

- 1. Get up to date on the latest developments in flame retardant technologies.**
- 2. Find out what fire investigations can teach us about achieving better fire resistance in plastics.**
- 3. Assess the latest technology developments for nanocomposites and their impact on flame retardancy.**
- 4. Benchmark your company's performance against those of other leading players in the industry.**
- 5. Network with our senior delegates and speakers from around the world.**

