

# Fire Resistance in Plastics

2018

*Benefiting from advances in fire retardant additives,  
compounds and applications*

**10-12 December 2018**  
**Maritim Hotel, Cologne, Germany**



## SPECIAL OFFER

Save **€200** if you  
register before  
28th September  
2018

Images courtesy of Clariant

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# Fire Resistance in Plastics

2018

The 13th edition of AMI's global conference on flame retardancy returns to Cologne from 10-12 December 2018.

Recognised as one of the leading international flame retardant conferences, Fire Resistance in Plastics places the developments of new materials, testing procedures, regulatory requirements, manufacturing processes and end-use applications in the context of the challenging business environment in which flame retardant material producers, suppliers and customers operate.

Challenges and opportunities offered by the current business environment affect all companies involved in this highly innovative industry. It is vital to be aware of the latest developments in markets, materials, testing & regulation, processes and end-use applications.

The intensive two-day programme includes papers from industry associations, institutes and universities and covers topics from the whole supply chain. As usual, the conference offers unparalleled opportunity to network and exchange ideas with colleagues, customers and suppliers, as well as with leading scientists and academics from across the globe.

For users of fire retardant plastics, as well as for suppliers of additives, reactants, synergist systems, compounding and process technology, testing or certification services, this conference provides you with an ideal forum to meet professionals from around the world.



## Five good reasons to attend:

- **Get up-to-date on the latest developments in fire retardant technologies**
- **Find out about the latest testing and regulatory requirements**
- **Review market trends, opportunities and unfulfilled needs**
- **Benchmark your company against other leading players**
- **Increase your own knowledge and your company's business opportunities by networking with other professionals from the fire-retardant industry**

## Ways to get involved:

### Delegate registration

Register before 28th September and pay €1115\* saving €200 on the full price of €1315\*. There are additional discounts for group bookings. The registration fee includes attendance at all conference sessions, the Networking Cocktail Reception, lunch and refreshment breaks on both days and a set of conference proceedings.

### Sponsorship

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

### Exhibition space

Make it easy for the delegates to find you at this busy event with your own exhibition space. Bring your own display stand, banners or use the space to showcase samples of your products and ensure that you make an impact. The exhibition will run throughout the conference in the spacious lobby next to the main meeting room.

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

\*+19% German VAT

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**Excellent conference  
with wide topic coverage  
and technically relevant  
presentations**

International Market Manager Wire  
and Cable - IMCD Benelux BV

## CONFERENCE HOTLINE

Contact: Jasmine Coles, Conference Organiser  
Tel: +44 (0) 117 314 8111  
Fax: +44 (0) 117 311 1534  
Email: [jasmine.coles@ami.international](mailto:jasmine.coles@ami.international)

**SAVE €200**

Register before  
28th September  
2018

## Monday 10th December 2018

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

## Tuesday 11th December 2018

08.00 Registration and welcome coffee  
09.00 Opening announcements

### MARKET OVERVIEW

- 09.10 **Trends in FR requirements and demand, as seen by the European PIN FR industry**  
Mr. Jonathan Crozier, PINFA Secretary General, THE EUROPEAN CHEMICAL INDUSTRY COUNCIL - CEFIC, Belgium
- 09.40 **Electro mobility - new performance and safety challenges for plastics**  
Dr. Adrian Beard, Head of Market Segments Flame Retardants, CLARIANT PLASTICS & COATINGS (D) GmbH, Germany
- 10.10 **Antimony: Latest regulatory developments and i2a's product stewardship initiative**  
Ms. Caroline Braibant, Secretary-General, INTERNATIONAL ANTIMONY ASSOCIATION, Belgium
- 10.40 Morning coffee sponsored by: 

### SESSION 1 - INNOVATIONS & NEW MATERIAL CONCEPTS

- 11.20 **Radical generators - scope and limits of a highly efficient class of flame retardants**  
Dr. Rudolf Pfaendner, Division Director Plastics, FRAUNHOFER INSTITUTE FOR STRUCTURAL DURABILITY AND SYSTEM RELIABILITY LBF, Germany
- 11.50 **Flame retardant polyamide - different approaches to reach high performances**  
Ms. Fabienne Samyn, Assistant Professor, UNIV. LILLE, UMET, ENSCL, France
- 12.20 **Insightful understanding on the mechanism of smoke-suppression for polymer nanocomposites: New vision to design fire safety polymers**  
Prof. Dr.De-Yi Wang, Head of High Performance Polymer Nanocomposites Group, IMDEA MATERIALS INSTITUTE, Spain
- 12.50 Lunch sponsored by: 
- 14.20 **Expansion of polyolefin applications via intumescent halogen-free flame retardant technology**  
Ms. Ayaka Katsuki, R&D, ADEKA CORPORATION, Japan
- 14.50 **Fire retardant sol-gel coatings for flexible polyurethane foams**  
Dr. Séverine Bellayer, Research Engineer, ENSCL - UMET, France
- 15.20 **Innovations in halogen free flame retardant systems for thermoplastic polymers with excellent mechanical properties**  
Dr. Birgit Fassbender, Manager Innovation and Application Development, CHEMISCHE FABRIK BUDENHEIM KG, Germany
- 15.50 Afternoon tea

### SESSION 2 - FLAME RETARDANTS - CHALLENGES & OPPORTUNITIES

- 16.30 **Flame retardancy and fire resistance of silicone-based materials**  
Dr. Günter Beyer, CEO, FIRE AND POLYMERS, Belgium
- 17.00 **New flame retardants for thermoplastic fibres: challenges and opportunities**  
Dr. Sabyasachi Gaan, Group Leader Additives & Chemistry, EMPA - SWISS FEDERAL LABORATORIES FOR MATERIALS SCIENCE AND TECHNOLOGY, Switzerland

- 17.30 **PANEL DISCUSSION**  
**Flame retardants in the circular economy: discussing the implications of plastics recycling**  
Panellists to be confirmed

20.00 Conference Dinner

## Wednesday 12th December 2018

08.30 Registration and welcome coffee  
09.00 Opening announcements

### SESSION 3 - RESEARCH & LAB-SCALE TESTING OF FIRE RETARDANT PROPERTIES

- 09.10 **New insights into the investigation of smoke production using a cone calorimeter**  
Mr. Rodolphe Sonnier, Assistant Professor, ECOLES DES MINES D'ALES, France
- 09.40 **Use of cone calorimeter along with flame and smoke test results to optimise design criteria for cable insulations**  
Mr. Daniel Masakowski, Director Materials Development, MARMON INNOVATION & TECHNOLOGY, United States
- 10.10 **Polymer surface functionalisation by plasma technologies - application to fire retardancy**  
Dr. Fouad Laoutid, Senior Scientist, MATERIA NOVA, Belgium
- 10.40 Morning coffee

### SESSION 4 - PERFORMANCE OF FLAME RETARDANTS IN END-USE APPLICATIONS

- 11.20 **High performance, highly sustainable flame retardants for styrenics in automotive and appliances applications**  
Mr. Marc Leifer, Global Technical Marketing Support Manager, ICL-IP, Israel
- 11.50 **Achieving UL94 V0 with recycled PCABS: Performance of a new plastic group for electronics**  
Dipl.-Ing. Arthur Schwesig, Director Research and Development, MGG POLYMERS GmbH, Austria
- 12.20 **Combination of mineral fillers, 3rd phase of evolution: opportunities and drawbacks for the CPR complying cables**  
Dr. Camillo Cardelli, CEO - Head of R&D, IPOOL, Italy
- 12.50 Lunch

### SESSION 5 - SYNERGISTIC SYSTEMS IN FLAME RETARDANT COMPOSITIONS

- 14.20 **Optimise or upgrade your FR-System with inorganic functional filler**  
Mr. Péter Sebö, Head of Marketing & Market Development, QUARZWERKE GmbH, Germany
- 14.50 **New flame retardant additive as synergist for aluminium trihydrate and magnesium hydroxide in halogen free flame retardant compounds**  
Mr. Jochen Wilms, Global Enduse Manager Thermoplastics Industrial, BYK-CHEMIE GmbH, Germany
- 15.20 **Optimising natural fillers to deliver flame retardant properties for demanding applications**  
Mr. Alexander Kulichenko, Project Manager, EUROPIREN B.V., Netherlands
- 15.50 Afternoon tea and conference ends

Conference lanyard sponsored by:

**CLARIANT**

Conference gift sponsored by:

**pinfa**  
Phosphorus, Boron & Nitrogen Flame Retardants Association

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.ami.international](http://www.ami.international)



# REGISTRATION FORM

PLEASE COMPLETE IN BLOCK CAPITALS

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Country: \_\_\_\_\_

Tel: \_\_\_\_\_ Fax: \_\_\_\_\_

VAT No.: \_\_\_\_\_

(Must be completed by all EU Companies)

Company activity: \_\_\_\_\_

Purchase order No. (if applicable): \_\_\_\_\_

Invoice address (if different from above): \_\_\_\_\_

## DELEGATE DETAILS

Title: Mr/Mrs/Dr/Other: \_\_\_\_\_

First name: \_\_\_\_\_

Surname: \_\_\_\_\_

Position: \_\_\_\_\_

Email: \_\_\_\_\_

Special dietary requirements: \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Please confirm that you agree to your name being published alongside your company name and job title on the delegate list.

Yes

No

By registering for this event (please tick these boxes):

I agree to AMI's privacy policy ([www.ami.international/about/legal](http://www.ami.international/about/legal))

I agree to AMI's Terms & Conditions ([www.ami.international/about/tac](http://www.ami.international/about/tac))

We will not sell your personal data to any 3rd parties, and we will not keep your personal data for longer than is necessary.

## PARTICIPATION

Select a delegate option:

Early-bird admission fee: €1115 + 19% = €1326.85 \_\_\_\_\_  
(Until 28th September 2018)

Full admission fee: €1315 + 19% = €1564.85 \_\_\_\_\_

Upgrade your booking to include:

Exhibition Space: €685 \_\_\_\_\_

Conference Dinner (German companies): €90 \_\_\_\_\_

Conference Dinner  
(Non-German companies): €90 + 19% = €107.10 \_\_\_\_\_

Total: \_\_\_\_\_

Please note upgrades can only be booked with a delegate place

All payments to be made in Euros

All delegate registrations have 19% VAT applied as stated by the German government

## METHOD OF PAYMENT

You will be sent an invoice in 7-14 working days.

**Bank transfer quoting:** Your invoice and A/C No. to:

National Westminster Bank Plc.

Thornbury Branch, 16 the Plain, Thornbury, Bristol, BS99 5HD

Account number: 06814077 Bank No. 556138

IBAN: GB63 NWBK 6072 0306 8140 77 SWIFT: NWBKGB2L

**Pay by Credit Card**

We accept: Visa / Mastercard

Please provide your contact details and we will send you a link to a secure payment gateway via email.

Name: \_\_\_\_\_

Email: \_\_\_\_\_

# FIRE RESISTANCE IN PLASTICS 2018 CONFERENCE INFORMATION

10-12 December 2018

Maritim Hotel

Heumarkt 20

50667 Cologne

Germany

Tel: +49 221 2027 0

Fax: +49 221 2027 835

## PARTICIPATION OPPORTUNITIES

The registration fee includes attendance at all conference sessions, a set of conference proceedings, entrance into the Networking Cocktail Reception, lunch and refreshment breaks.

### Registration fee

- Early booking offer: Register by 28th September for €1115\*.
- Full price: €1315\*.
- Exhibition space: Upgrade to an exhibition space for €685.
- Conference Dinner: Register at the price of €90\*.
- Group discounts: When registering as a group you may be entitled to discounts. Contact Jasmine Coles, Conference Organiser for more information.

### Exhibition space

The exhibition is an excellent way to enhance your business opportunities and makes it easy for delegates to find you! The upgrade allows you to:

- Have an exhibition space in the networking area throughout the conference (includes 1 table, 2 chairs and a power supply)
- Include your company profile in the printed proceedings
- Display new and existing products
- Hand out brochures and promotional items to attendees from your stand

Spaces are allocated on a first-come-first-served basis and sell quickly. Add an exhibition space onto your delegate registration as an upgrade.

### Sponsor this event

A variety of sponsorship opportunities are available at this event that can help to promote your company's products and services to this highly targeted international audience. For further information, please contact the Conference Organiser on: +44 (0) 117 314 8111.

### Social events

The social events organised for Fire Resistance in Plastics 2018 will provide an ideal setting for delegates and speakers to mix business with pleasure.

#### • Networking Cocktail Reception

A networking cocktail reception will be held on the first evening. This offers an excellent opportunity for delegates to meet with speakers and other colleagues. All delegates are invited to attend and admission is included in the delegate fee.

#### • Conference Dinner

All delegates are invited to attend the Conference Dinner, which will take place at a local restaurant on the evening of 11th December 2018.

### Hotel accommodation

Delegates are responsible for booking their own accommodation. AMI has negotiated a room rate of €160.50 for a single room and €199 for a double (tax, breakfast and Wi-Fi included) at the Maritim Hotel in Cologne until 16th November 2018.

Please make your reservation using the direct hyperlink which can be found on our website [www.amiplastics.com](http://www.amiplastics.com) (click on 'Fire Resistance in Plastics 2018' followed by Accommodation)

## CANCELLATIONS

Full refunds, less a cancellation charge of €300 will only be made on cancellations received prior to 19th October 2018. Thereafter we regret that no refunds can be made. Delegates may be substituted at any time. Please note that refunds will not be given on exhibition upgrades, sponsorship packages or Conference Dinner places.

\*German VAT rules apply

## CONFERENCE HOTLINE

JASMINE COLES, CONFERENCE ORGANISER

AMI

Third Floor, One Brunswick Square, Bristol, BS2 8PE, United Kingdom

Registered in England No: 2140318

Tel: +44 (0) 117 314 8111 Fax: +44 (0) 117 311 1534

Email: [jasmine.coles@ami.international](mailto:jasmine.coles@ami.international)

The latest programme, including any new speakers or changes to the schedule can be viewed on our website: [www.ami.international](http://www.ami.international)