

# 2nd Conference- **FLAME RETARDANCY FOR COMPOSITE APPLICATIONS**



20.11./21.11.2024



Hotel abba, Lietzenburger Straße 89  
Berlin

In co-operation with

**FGK**  
Forschungsgesellschaft Kunststoffe e.V.

## PROGRAMME

[Register Now](#) >> [Online-Registration](#)



## 1st day – Wednesday, 20 November 2024

10:30 – 11:00 Come together & Networking

11:00 – 11:15 Welcome and introduction

### Introduction

11:15 – 11:45 Flame and Fire Retarded Composites: Principles and Concepts  
Prof. Dr. habil. Bernhard Schartel - Bundesanstalt für  
Materialforschung und -prüfung (BAM)

### Normalization & Standardization

11:45– 12:15 Fire Performance Requirements for Composites Used in Building,  
Rail Vehicles and Ships  
Dr. Jürgen Troitzsch - FEPS Fire and Environment Protective Service

12:15 – 12:45 Structural Performance Prediction of EV battery casings under fire  
exposure during thermal runaway by innovative material tests  
Ravi Chaitanya Bhairi - AZL Aachen GmbH

*12:45 – 13:30 Lunch Break*

### Material Development

13:30 – 14:00 VAPORcom – Non-flammable fiber reinforced composite  
Sebastian Mehrtens, Philipp Wilczek - CTS Composite Technologie  
Systeme GmbH

14:00 – 14:30 New Opportunities with Novel Ceramifying Fillers  
Dr. Carsten Ihmels - Nabaltec AG

14:30 – 15:00 Development and Processing of translucent colorable Epoxy-based  
SMC for flame-retardant Applications  
Dr.-Ing. Florian Gortner - Leibniz Institut für Verbundwerkstoffe; Simon  
Kaysser - CompriseTec GmbH

*15:00 – 15:30 Coffee Break*

### Construction/Infrastructure

15:30 – 16:00 Brandanforderungen im Bauwesen für tragende FVK-Bauteile  
Prof. Josef Kurath – ZHAW

16:00 – 16.30 Requirements and new developments on flame retardancy of  
sustainable construction materials  
Markus Haberland - Baunit GmbH, Kabelan Thavayogarah -  
Fraunhofer-Institut für Betriebsfestigkeit und Systemzuverlässigkeit  
LBF

## Public Transport

16:30 – 17:00 Umsetzung von brandschutztechnischen Anforderungen im Betrieb und in der Instandhaltung von Schienenfahrzeugen  
Frank Lüders - DB Systemtechnik GmbH

*From 19:00 Conference Dinner*

## 2nd day – Thursday, 21 November 2024

### Construction/Infrastructure

9:00 – 9:30 Flame Retardancy - Requirements and Challenges for Low Voltage Products  
Frank Leibrecht - Siemens AG

### Automotive

9:30 – 10:00 Flame retardants for applications in e-mobility  
Dr. Christian Battenberg, Dr. Frank Osterod - Clariant Plastics & Coatings (Deutschland) GmbH

10:00 – 10:30 Fire protection with technical textiles for mobility with renewable energies  
Dr. Christoph Hacker - K.TEX Knein Technische Textilien GmbH

*10:30 – 11:00 Coffee Break*

### Research & Science

11:00 – 11:30 Modified cellulose as sustainable building block for flame retardants and reactive polymers  
Dr. Michael Ciesielski - Fraunhofer-Institut für Betriebsfestigkeit und Systemzuverlässigkeit LBF

11:30 – 12:00 Novel Halogenfree flame retardant for textiles and composites materials  
Dr. Thomas Mayer-Gall - Deutsches Textilforschungszentrum Nord-West gGmbH & Center for Nanointegration Duisburg- Essen (CENIDE)

*12:30 – 13:30 Final Lunch*

## Participation fees (excl. of VAT)

- **AVK or CU members & FGK members: EUR 995,-**  
*[plus the value added tax (VAT) at the statutory rate applicable at the time (currently 19 %)]*
- **Non members: EUR 1195,-**  
*[plus the value added tax (VAT) at the statutory rate applicable at the time (currently 19 %)]*

### Progressive rates for more than 1 company participants:

50% discount for the 2nd, 3rd, 4th etc. participant. To register more than one participant, please send us an e-mail.: [info@avk-tv.de](mailto:info@avk-tv.de)

### Special rate for students:

Students (with proof – student ID) get a 50% discount, please email us to register: [info@avk-tv.de](mailto:info@avk-tv.de)

## ORGANISATION

The attendance fee includes Conference documentation, lunch, drinks during breaks and dinner.

### Please note:

The overnight stay at the hotel is not included. Please book your hotel room **as soon as possible** (Rooms are available until 08<sup>th</sup> October 2024).

Rooms can be booked directly at the **Hotel abba Berlin via e-mail or telephone:** [reservations-berlin@abbahotels.com](mailto:reservations-berlin@abbahotels.com) or +49 30 887 186 104. **Keyword: AVK**

### Conference Hotel:

[Hotel abba Berlin](#)

Lietzenburger Str. 89

10719 Berlin

T +49 30 88 71 860

[reservations-berlin@abbahotels.com](mailto:reservations-berlin@abbahotels.com)

### The rates for the rooms are (breakfast not included + EUR 22,-):

Single room: EUR 115,- (incl. VAT)

## The Conference venue:

abba Berlin hotel is a 4-star hotel that is located in one of the busiest areas of central Berlin and in the most ideal place to discover the city. It is located close to the exclusive commercial area of the Kurfurstendamm avenue, a few minutes walk from the main tourist attractions, such as the Brandenburg Gate, and with excellent communication with the main airports of Schonefeld and Tegel.

## **Cancellations:**

With cancellation up to 2 weeks (until 05<sup>th</sup> November 2024) before the conference takes place 50% of the participant fee will be charged. After this date we will have to charge the full participation fee. It is possible to nominate a substitute.

## **Organizer:**

### **AVK-TV GmbH**

Contact: Dr. Elmar Witten

Am Hauptbahnhof 12

60329 Frankfurt am Main

GERMANY

Tel: +49 69 271077-0

[info@avk-tv.de](mailto:info@avk-tv.de)

## **AVK -Industrievereinigung Verstärkte Kunststoffe e. V. – Federation of Reinforced Plastics**

AVK, the German Federation of Reinforced Plastics, is the professional German association for fiber-reinforced plastics and composites. It represents the interests of manufacturers and processors both in Germany and at the European level. Its range of services includes specialized workgroups, seminars and conferences as well as the provision of market-specific information ([www.avk-tv.de](http://www.avk-tv.de)).

In Germany, AVK is one of four support organizations of GKV, the General Association of the Plastics Processing Industry. Within Europe, it is a member of the European umbrella association for composites, EuCIA (European Composites Industry Association). AVK is a founding member of Composites Germany.

## **FGK – Forschungsgesellschaft Kunststoffe e. V.**

The goals are:

- Promotion of application-oriented plastics research
- Creation and maintenance of networks along the entire value chain (raw material producers, plastics machinery manufacturers, compounders, plastics processors and users).
- Promotion of education and training as well as innovation promotion and establishment of research and development alliances.

<https://fgkunststoffe.de/>

## Registration form

Mail: [info@avk-tv.de](mailto:info@avk-tv.de)

**Online-Registration**

- I will attend the Fire Retardant Composites Conference.  
The presentation language will be English.

Surname, First name \_\_\_\_\_

Company \_\_\_\_\_

Division \_\_\_\_\_

Street \_\_\_\_\_

Postal code, City \_\_\_\_\_

Phone, Fax no. \_\_\_\_\_

E-mail \_\_\_\_\_

Date, signature \_\_\_\_\_

VAT-Nr. \_\_\_\_\_

Member (AVK  
FGK or CU) optional \_\_\_\_\_

### Organizer:

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