

**1st Conference –
FLAME RETARDANCY FOR
COMPOSITE APPLICATIONS IN THE
TRANSPORT SECTOR**

Berlin, 10-11 May 2023

Hotel abba, Lietzenburger Straße 89

PROGRAMME



Programme 1st day – Wednesday 10 May 2023

10:00 – 10:15 Welcome and introduction

Normierung & Standardisierung

10:15 – 10:45 Passive Fire Safety Requirements for Road Vehicles: Status and Trends
Dr. Jürgen Troitzsch - FEPS Fire and Environment Protective Service

10:45 – 11:15 Material Innovations in EV Enclosures - Battery Enclosure Materials Screening Methods
Stefan Winkel - UL Solutions - Engineered Materials

11:15 – 11:45 Coffee break

Public Transportation

11:45 – 12:15 Innovative Fire Retardant Systems for Railway Vehicles
Joe Mardoukh - BÜFA Composite Systems GmbH & Co. KG

12:15 – 12:45 Innovative Composites Technologies for Lightweight Application – LEO Fire Retardant Monolithic and Sandwich Structure Solutions
Moris Adam - Saertex GmbH & Co. KG; Martin Plettig - Forster System-Montage-Technik GmbH

12:45 – 13:15 Flame Retardant Elastomer Composites for Public Transportation: Challenges, Solutions and Perspectives at the Example of Coated Textiles
Dr. Alexander Ungefug - Hübner GmbH & Co. KG; Dr. Roland Klein - Fraunhofer LBF

13:15 – 14:15 Lunch Break

Automotive

14:15 – 14:45 Flame Protection with Continuous Fiber Reinforced Thermoplastics (CFRTP) for Battery Enclosures
Dr. Stefan Seidel - Bond-Laminates GmbH

14:45 – 15:15 Battery cases: New Requirements - New Opportunities!
Dr. Christoph Ebel - SGL TECHNOLOGIES GmbH

15:15 – 15:45 Introduction AVK Expert Task Force „Material Properties and Requirements for E-Mobility“
Hagen Fasel - UL Solutions

15:45 – 16:15 Coffee Break

16:15 – 16:45 SMC Battery Covers: Fire Protection in Combination with Other Requirements
Michael Polotzki - Menzolit

Aviation

- 16:45 – 17:15 Aircraft Composite Parts: Fire Worthiness Requirements
Ingo Weichert - Airbus Operations GmbH
- 17:15 – 17:45 Material Innovation for Cabin Applications with Modified Technical Polymers
Dr. Dietmar Völkle - Diehl Aviation
- From 19:00 Conference Dinner*

Programme 2nd day – Thursday, 11 May 2023

Raw Materials

- 9:00 – 9:30 Flame Retardants for Connectors and Battery Housing in E-Vehicles
Dr. Christian Battenberg - Clariant
- 9:30 – 10:00 Flame Retardants for High Temperature Barriers with Ceramification Effect
Dr. Reiner Sauerwein - Nabaltec AG
- 10:00 – 10:30 Flame Retardant Resin Formulations for Lightweight Applications
Christopher Gardel - Schill+Seilacher "Struktol" GmbH
- 10:30 – 11:00 Coffee Break*

Research & Science

- 11:00 – 11:30 Translucent and Flame-Retardant Sheet Moulding Compounds – an Application for Nanoscaled Layered Double Hydroxides (LDH)
Dr. Florian Gortner - Leibniz-Institut für Verbundwerkstoffe GmbH
- 11:30 – 12:00 Prevention of Respirable Fiber Formation during Combustion of Carbon Fiber Reinforced Epoxy Resins by Novel Phosphasilazane Flame Retardants
Dr. Lara Greiner - Wehrwissenschaftliches Institut für Werk- und Betriebsstoffe (WIWeB); Dr. Frank Schönberger - Fraunhofer LBF

Circularity / Recycling

- 12:00 – 12:30 Flame Retardant Biocomposites: Up-and-Coming
Prof. Bernhard Schartel - Bundesanstalt für Materialforschung und -prüfung (BAM)
- 12:30 – 13:00 Flame Retardant CFRP Made from rCF-Nonwoven
Bernhard Leitner - Fraunhofer IGCV
- 13:00 – 14:00 Final Lunch*

