A MAJOR NEW INTERNATIONAL CONFERENCE

Textile Opportunities in a Changing Automotive Industry

Jaguar Experience Centre, Birmingham, UK
5-6 February 2020

A new conference exploring how the changes in the automotive industry will offer opportunities for technical textiles, nonwovens and composites, and how these materials will contribute to the next generation of vehicles

REGISTER NOW

Join key players in the industry, from OEMs and Tier 1 and 2 suppliers to raw material manufacturers, and suppliers of technical textiles, nonwovens, composite fibres and machinery. Presentations will examine in detail how trends are already reshaping the automotive industry and its supply chain, and will continue to do so in the next decade and beyond.

EARLY-BIRD REGISTRATION OFFER

Book your place before 29 November 2019 and save €100

www.technical-textiles.online/TOAI
Textiles and nonwovens opportunities - how these materials will contribute to the next generation of automotive vehicles

Why a conference on automotive textiles?
Within the transport industry, the automotive sector is where most innovation in the development and application of technical textiles and nonwovens takes place. The call for reductions in emissions and noise, as well as the sustainable use and re-use of materials, and changes in legislation are all driving revolutionary changes. A new era of urban mobility is here with the advent of driverless/autonomous electric vehicles and vehicle sharing. Therefore, the time is right to introduce a new conference exploring how the changes in the automotive industry will offer opportunities for technical textiles and nonwovens to make major contributions to the next generation of vehicles.

Who should attend
Senior management responsible for the strategic implications of developments in the automotive industry, and technical staff involved in existing production as well as research and development of new products.

Why attend?
The conference will deliver information relevant to current and future trends, and the opportunity to network and make new contacts. The conference programme is designed to encourage the free flow of discussion in the session forums, which continues in the exhibitor area during the breaks, lunches and evening reception. We provide a platform for the profitable exchange of ideas, and a cost-effective source for technical and business development.

Topics for discussion will include:
- Textiles for a unique passenger experience
- Innovations in lightweight, sustainable and robust textiles
- New textiles sources for sound insulation to adapt to changes in vehicle design resulting in new NVH (noise, vibration harshness) environments
- Smart textiles - for monitoring physiological signs of passengers, and providing information and entertainment during the journey, to innovations in user experience
- The use of natural fibres and plant-based polymers for enhanced sustainability
- Materials that make vehicles lighter, smarter, cleaner and more comfortable
- Composites for lightweight and bespoke components
- Graphene-enhanced materials for automotive applications
- Changes in supply chain and manufacturing planning that are needed to bring innovations to market
- Limiting factors and future trends in automotive textiles

Applications of textiles and nonwovens in future mobility

- Lightweight thermal and acoustic insulation to improve sound and comfort
- Textile reinforcements for composite components
- Safety: seatbelts, airbags, battery protective cover
- Interior trim: flame- and stain-resistant, hygienic and self-cleaning
- Seating: flame-resistant, dimensionally stable, moisture- and heat-management
- Floor: flame-resistant, dustmite protection, soil- and stain-resistant
- Underbody, wheel arches, tyres
- Adaptive interiors for enhanced user experience
- Recyclable, reusable, sustainable substitutes for existing materials

Venue: The conference will be held at the Jaguar Experience Centre near Birmingham, UK, a hub of the global automotive industry and the centre of significant commercial developments in these fields. Home to the iconic Jaguar brand, the conference venue offers world-class facilities and the itinerary will incorporate a tour of the manufacturing facilities.

Travel information: Birmingham International Airport is a 15 minute drive away. Visit the website wwwtechnical-textiles.online/TOAI for information about hotels close to the conference venue, airport and railway stations.

Conference organizers: International Newsletters is the world’s principal publisher of information about textiles technology. The company runs the TTNet web service and publishes Technical Textiles International magazine and four specialized newsletters, Advances in Textiles Technology, Medical Textiles, Smart Textiles and Nanotechnology, and Advanced Composites Bulletin.
**DAY ONE: Wednesday 5 February 2020**

**SESSION ONE: Market and technology trends**

- E-mobility and its impact on textiles and nonwovens
  - Silke Brand-Kirsch, Executive Partner, Schlegel & Partners (Germany)
  - Friedrich Suchomel, Product Development, Lenzing AG (Austria)

- The Rinspeed MicroSNAP concept car
  - Ross Ward, New Business Development Manager, NIRI (UK)

- Long-lasting performance textiles to meet requirements of car-sharing development
  - Mark Dohmen, Head of Competence Centre, Archroma (Germany)

- Textile-based sensor integration
  - Patrick Cronin, Technical Director, Mica NanoTech (MNT) Ltd (Ireland)

- A novel finishing process for improved automobile interior hygiene by particle binding to fabric and surface interfaces
  - Christian Fischer, CEO & Co-Founder, Bcomp Ltd (Switzerland)

**SESSION TWO: Interior innovations for the next generation of passenger cars**

- HAPTIC additive 3D coatings for textiles
  - Thomas Schmidt, Director of Innovation and RSL, Huafeng Textile Technology Solutions (China)

- 3D flat-knit fabrics suitable for car interiors
  - Paul Stollberger, Member of the Board, Kobleder GmbH (Austria) with Axel Magin, Trevira GmbH (Germany)

**SESSION THREE: Novel products and applications (one)**

- Particle-inclusion technology for enhanced cabin air filtration
  - Matthew Tipper, Business Director NIRI (UK)

- Recycling of mixed-fibre waste (Interreg project)
  - Laura Kunze, Project Manager Colour & Trim Development imat-uve gmbh (Germany)

**SESSION FOUR: Novel products and applications (two)**

- Novel textiles for thermal comfort and sensing aimed at the automotive sector
  - Raquel Ledo Bañobre, Head of Materials Innovation Area, CTAG - Automotive Technology Centre of Galicia (Spain)

**DAY TWO: Thursday 6 February 2020**

**SESSION THREE: Novel products and applications (one)**

- Reducing weight and consumption of plastics with a novel sustainable technology
  - Christian Fischer, CEO & Co-Founder, Bcomp Ltd (Switzerland)

- Other presentations will address the following topics:
  - Acoustic insulation
  - Fuel filters/exhaust filters
  - Composite reinforcements
  - Structural components
  - Battery/fuel cell components
  - Tyre components
  - Integrated sensors and displays
  - Safety features

For latest programme information please visit the conference website at www.technical-textiles.online/TOAI.

**SESSION FOUR: Novel products and applications (two)**

- Conference closing remarks, Adrian Wilson, Conference Chair

The conference programme is subject to amendment and additions.
Delegate Registration Form  
(for multiple delegates please copy form)

Name:  
Job Title:  
Organization:  
VAT number:  
Address:  
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Special requirements/diet:  

Registration Fees  
Fee includes full conference documentation, refreshments, lunches, conference reception  
and a tour of the manufacturing facilities  

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TOTAL (please indicate preferred payment currency)

Discounts are available for 3 or more delegate registrations when booked at the same time. For details, please contact sales@intnews.com

Event Sponsorships are available, please email sales@intnews.com for full information. Places are limited, early booking is recommended.

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For updated information or to book online visit the conference website: www.technical-textiles.online/TOAI

Conference venue: Jaguar Experience Centre, Gate 1, Chester Road, Castle Vale, Birmingham, B35 7RA, UK

Hotel booking: Please visit the website for hotel suggestions near the venue and Birmingham International Airport, and for full directions to the Jaguar Experience Centre: www.technical-textiles.online/TOAI

Terms and conditions - please read before booking.

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