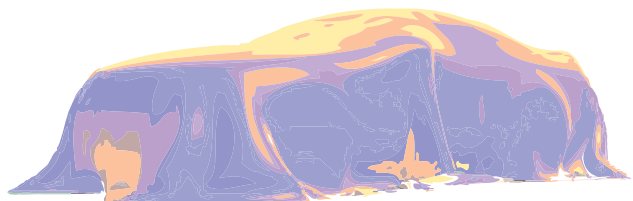


A MAJOR NEW INTERNATIONAL CONFERENCE



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

Opportunities in vehicle interiors for product innovations to improve future in-vehicle experience

Lightweight thermal and acoustic insulation to improve sound and comfort
Textile reinforcements for composite components

Textiles and nonwovens are lightweight, strong, flexible and functional, and can contain integrated sensors

Battery components, pumps, filter systems, process aids

Sound absorption and vibration damping

Cabin air filtration

Recyclable, reusable, sustainable substitutes for existing materials



Floor: flame-resistant, dustmite protection, soil- and stain-resistant
Underbody, wheel arches, tyres

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

Adaptive interiors for enhanced user experience

Delegates' views on our recent events:

- *“Excellent speakers for an agenda focusing on innovation and high-calibre international delegates.”*
- *“I found the speakers to be highly professional and we've made a number of new contacts in our industry.”*
- *“The conference was outstanding. I think that everyone went back to their companies with new insights into strategic, market and technical opportunities, with many new contacts. Attendance was time very well spent.”*
- *“The way topics were selected was innovative and market-oriented.”*



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 www.technical-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 TNet 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.

PROGRAMME

DAY ONE: Wednesday 5 February 2020

Introduction Adrian Wilson, *Conference Chair* (UK)

SESSION ONE: Market and technology trends

E-mobility and its impact on textiles and nonwovens

Silke Brand-Kirsch, *Executive Partner*, Schlegel & Partners (Germany)

The Rinspeed MicroSNAP concept car

Friedrich Suchomel, *Product Development*, Lenzing AG (Austria)

Preparing for total transformation - findings from the latest TMS Automotive Textiles Report

Adrian Wilson, *Conference Chair* (UK)

Vehicles of the future - the road to effective collaboration - case studies of SMEs finding and working with partners in the automotive supply chain

Deborah Maxwell, *Patent Attorney*, Potter Clarkson (UK)

Forum discussion Session One

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

Textile-based sensor integration

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)

A novel finishing process for improved automobile interior hygiene by particle binding to fabric and surface interfaces

Patrick Cronin, *Technical Director*, Mica NanoTech (MNT) Ltd (Ireland)

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)

Forum discussion Session Two

DAY TWO: Thursday 6 February 2020

Textile-related tour of manufacturing facilities at Jaguar Land Rover including electric vehicles

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)

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 - (see www.technical-textiles.online/TOAI for updates)

Forum discussion Session Three

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)

Other presentations will address the following topics:

- **Composite reinforcements - Structural components - Battery/fuel cell components - Tyre components - Integrated sensors and displays - Safety features** - for the latest programme information please visit the conference website at www.technical-textiles.online/TOAI

Forum discussion Session Four followed by Conference closing remarks, Adrian Wilson, Conference Chair

The conference programme is subject to amendment and additions.

CONFERENCE PARTNER



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Delegate Registration Form
(for multiple delegates please copy form)



Name: _____	Job Title: _____
Organization: _____	VAT number: _____
Address: _____	
Country: _____	Postcode: _____
Tel: _____	Email: _____
Special requirements/diet: _____	

Registration Fees

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

	EUR	US\$	£
EARLY-BIRD RATES (payment MUST be received by 29 November 2019)			
<input type="checkbox"/> CONFERENCE REGISTRATION	980	1090	785
FULL RATES (payments received after 29 November 2019)			
<input type="checkbox"/> CONFERENCE REGISTRATION	1080	1210	865
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.

Payment

- I enclose a cheque payable to International Newsletters Ltd (EUR, US\$ or £ only)
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Any remittance sent but not received by the time of the conference must be paid again at the Registration Desk. We will refund you later.

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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.

All bookings received are binding, but delegates may be substituted at any time. Fee refunds for cancellations will be given on the following scale: within 2 weeks of booking and before 4 January 2020: 100%; more than two weeks and before 4 January 2020: 80%; 4 January 2020: no refund. The same terms apply for issued but unpaid invoices. All invoices issued are legally enforceable worldwide and will be pursued for payment in accordance with the cancellation clauses above. All visas and other travel documents are the responsibility of the delegate. International Newsletters Ltd will NOT make any refunds or allowances in addition to those above due to failure to obtain necessary travel documents, however caused. All delegates are advised to apply for any necessary travel documents as soon as possible. The organizers cannot be held responsible for any costs incurred should the conference be cancelled for any reason. Maximum notice of cancellation will be given to delegates. International Newsletters Ltd does not accept liability for any loss or damage to the personal effects of delegates attending the conference. It is the responsibility of all delegates to have appropriate insurance cover for their visit. The programme published herein is correct at the time of printing, however International Newsletters Ltd reserves the right to alter all or any of the programme for whatever reason.