

automotive interiors EXPO 2018

EUROPE

CO-LOCATED WITH



**800+ EXHIBITORS
IN TOTAL!**

THE CAR AND TRUCK INTERIOR DESIGN, COMPONENT AND PRODUCTION SHOWCASE

5,6,7 JUNE 2018 HALL 7, STUTTGART, GERMANY

2018 INTERIORS SHOW SET TO BE THE **BIGGEST YET!**

Featuring
150+
exhibitors



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WWW.AUTOMOTIVE-INTERIORS-EXPO.COM



5 REASONS TO ATTEND

- 1 **Convenience:** See over 150 exhibitors specialising in every aspect of automotive interior design, production and supply – all under one roof!
- 2 **Value:** Your **free entry pass** also provides unrestricted access to a further three leading automotive events: Automotive Testing Expo, Autonomous Vehicle Technology World Expo and Global Automotive Components and Suppliers Expo. 800 exhibitors in total.
- 3 **Knowledge:** Share insights and best practice from industry experts speaking at the **free-to-attend Innovation & Design Forum**; and the **Autonomous Vehicle Interior Design & Technology Symposium** (rates apply).
- 4 **Networking:** Fantastic networking and meetings opportunities with exhibitors, visitors and speakers who are all exclusively involved in designing and producing interiors, interior components and subsystems. Plus enjoy the exhibitor hall drinks party.
- 5 **Recreation:** Stuttgart is home to the Mercedes-Benz Museum, the Porsche Museum, multiple art galleries, and a great choice of lively restaurants and bars.

Stuttgart – the
place to be
in June!

AUTOMOTIVE INTERIORS EXPO 2018

Featuring
150+
exhibitors

THE WORLD'S LEADING NAMES IN AUTOMOTIVE
INTERIORS WILL CONVERGE IN STUTTGART ON
5-7 JUNE FOR AUTOMOTIVE INTERIORS EXPO 2018

P7

INNOVATION & DESIGN FORUM

Free-to-attend three-day
Interiors Innovation &
Design Forum

P11

AUTONOMOUS VEHICLE INTERIOR DESIGN & TECHNOLOGY SYMPOSIUM

Exclusively dedicated to the
study of future interior design

P14

FANTASTIC NEIGHBOURING SHOWS!

Three complementary shows
are being held concurrently at
the Messe Stuttgart, with over
800 exhibitors in total

Automotive Interiors Expo represents the A to Z of car interiors, with exhibitors' products found in vehicles from just about every car maker in the world from BMW to Ferrari and Volkswagen, to name a few. With exhibitor and visitor numbers growing year on year, the show is shaping up to be the biggest and best in the history of the event. Record numbers of exhibitors are already booked for the expo – more than 150 – where visitors will discover new materials, technologies, innovations and concepts from the rapidly changing world of automotive interiors.

Attendees will be able to touch, feel and explore colours, textures and quality finishes, which are a strong theme of this year's Automotive Interiors Expo. Innovation will also have a big presence, with suppliers exhibiting new HMI materials, lighting

technologies, advanced materials and manufacturing processes.

You'll also find a wide and comprehensive range of fabrics, acoustic materials, shape-forming materials and foams, fasteners and adhesive systems, and much more.

The show is a must-visit for Tier 1 and Tier 2 suppliers, as well as for interior design teams from car manufacturers wanting to keep up with the exciting world of materials, finishes and technologies that contribute to vehicle touch and feel.

The exhibitor list illustrates the extent and variety of products on show, which add up to make Automotive Interiors Expo uniquely valuable to interior designers and interior component makers in search of new finishes, materials, components and coatings for the vehicle cabin.

PRODUCT AREAS INCLUDE:

Masterbatching and plastics compounding | Plastic injection and plastic moulded components | Foams and shape-forming materials | Yarns and threads | Sewing and stitching machines | Fabrics, cloths and liners | Decorative textiles | Non-wovens | Acoustical materials | Etching and surface finishing | Laser marking, etching and surface precision painting | Seats and seat subassemblies | Tapes and webbings | Anti-creak tape | Lighting and light technology | Natural mouldable fibres | Hot stamping foils | Film insert moulding | Prototyping | Interliner materials | Chrome-look plastics | Styrenic components and finishes

LED WOVEN PIPING

Güth & Wolf

Stand A7548

Although LED technology has become the light source of choice in many areas due to its efficiency and versatility, there are still many possibilities to be explored. One application is the latest innovation from Güth & Wolf, which can truly brighten up a car's interior. The firm's LED woven piping provides a fascinating way of creating new features and individual designs. Whether integrated into doors, seats, headrests or panels, illuminated woven piping in a variety of colours can help create the ideal interior ambience.

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3D touch-sensitive surfaces

Canatu

Stand A7175

The three-dimensional touch surfaces that Canatu will be showcasing at Automotive Interiors Expo give freedom to designers, as functions can be discretely integrated into sleek interiors. Transparent touch sensors can be combined with just about any material,

going far beyond what traditional, flat touchscreens allow. Canatu says this flexibility offers near-unlimited possibilities for smart touch surfaces in the interiors of the future. Functions can easily be located with the help of intuitive and tactile user interfaces and

3D shapes, thus enabling decreased driver distraction and increased safety. Replacing physical buttons with in-moulded touch surfaces results in space and weight savings, in addition to shortened assembly times and lower associated costs.



NEXT-GENERATION ANTI-GLARE FINISHES

MacDermid Enthone Industrial Solutions

Stand A7480

The finish for interior trim and decorative parts is important for modern car buyers, and not just in premium segments. XtraForm Antiglare is a new formable, hard-coated polycarbonate film with a textured anti-glare finish from MacDermid Enthone Industrial Solutions. Offering low haze and low-gloss optics, XtraForm Antiglare has a unique coating that disperses reflection and is available in various

gauges and gloss ranges. As part of the company's XtraForm range of films, Antiglare is specifically designed for deep-draw 3D film insert moulding (FIM) applications and automatic processing.



THE BADGE YOUR BRAND DESERVES

Variata

Stand A7606

Some automotive brands have badges and emblems that are as famous and recognisable as McDonald's or Coca-Cola, but even for smaller manufacturers, especially those in the premium sector, a brand emblem has to denote quality. Variata is a specialist in producing brand emblems from metal or even precious metal materials. Created to customer-specific requirements, Variata provides everything from 3D design and prototypes to production and testing, for small or large quantities, ensuring you get the emblem your brand deserves.



SUPERIOR ACOUSTIC ABSORPTION MATERIAL

Autins

Stand A7255

Although NVH has come on in leaps and bounds, near-silent electric vehicles will accentuate road noise, which will remain in sharp focus. Autins understands the acoustic and thermal challenges of the changing vehicle landscape. Its Neptune insulation material uses ultra-fine fibres, designed as a lightweight and superior acoustic absorption material to make it ideal for use in modern cars since it combines excellent insulation performance with less weight than regular acoustic materials. It is also highly flexible, allowing the production of complex geometric parts.



Fantastic elastic seating straps and narrow textiles

Jumbo-Textil

Stand A7115

The interior of modern vehicles places the highest demands on design, feel and functionality with seating playing an important role. At Automotive Interiors Expo Jumbo-Textil, which develops high quality elastic tapes, braids and cords for the vehicle interior, will be exhibiting its line of innovative narrow textiles for seats and seating systems that ensure occupants enjoy a comfortable and safe drive. In addition, it will be exhibiting elastic bracing and retaining straps utilised for tightening and positioning seat covers, narrow textiles in combination with plastic or metal components, rubber straps, release loops, back-panel nets and more. Visit Jumbo-Textil's stand if you want to experience first hand the firm's range of textile engineering developments, custom solutions, premium technical textiles and textile components.

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HIGH-PRESSURE FORMING

Niebling

Stand A7503

Every kind of plastic film can now be formed with high accuracy and repeatability thanks to Niebling's fully automated SAMK 400 and SAMK 650 high-pressure forming machines – to be admired at Automotive Interiors Expo 2018. Parts up to 1,400mm can be formed with less distortion than with traditional thermoforming or vacuum forming, and parts can be prepared for subsequent FIM (film insert moulding) or IML (in-mould labelling) processes. Since the operator is now out of the equation, cycle times are quicker with no interruptions, resulting in reduced costs and production times.



A SPLASH OF COLOUR FOR INTERIOR PLASTICS

PolyOne

Stand A7530

Drab, unexciting interiors have had their day, so head to PolyOne's stand to discover the company's creative parts manufactured with its own colourants, additives and materials. Technologies on display at the expo include new colourants that enhance parts with the brilliant, glossy look of being painted – without actually having to do so; colour concentrates for both textiles and thermoplastics; and TPEs for interior HVAC parts that meet vehicle interior air quality (VIAQ) standards for volatile organic compounds (VOCs). Also look out for PolyOne's density-modified polymers, which look and feel like metal but can be injection-moulded.

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SOFT SEAT AND DASHBOARD FOAM

Sekisui Alveo

Stand A7633

The function of foam goes far beyond a comfortable seat. Sekisui Alveo's soft, light and flexible polyolefin (PE and PP) foams possess high acoustic absorption qualities to help silence road noise, and are also ideally suited as a soft material for dashboards, door trim and armrests. The company claims its foam is twice as soft as conventional PP foams, has pleasant haptic qualities and offers excellent processing characteristics with high temperature stability. The company says its foam is also ideal for use in thermoformed air ducts and can be processed into moisture and dust seals.



HIGH-END OPTICAL BONDING MATERIAL

Taica

Stand A7168

Displays are appearing in all manner of places in modern cars, so a product for making them clearer, brighter and more durable can be of immeasurable value. Naturally, this kind of technology can be found at the expo, where Taica will be showcasing the OPT version of its Alpha Gel, an ultra-soft optical bonding material for a variety of automotive applications, ranging from infotainment systems, displays, cameras and lights to ECUs and EPS parts. The OPT variety is specifically tailored to be sandwiched between LCD displays, touchpanels and cover lenses.

COLOURFUL COATINGS WITH IMPROVED WEAR RESISTANCE

lonbond

Stand A7551

Some coatings just need to look good; others need to withstand years of hard use while continuing to look good. Visitors to Automotive Interiors Expo looking for the latter cannot ignore lonbond, which will be showing its Decobond PVD coatings. Decobond coatings come in a large palette of standard colours and provide a wear-resistant surface that cannot be provided by electroplating, anodising or lacquer. As a company renowned for high-performance coating technology, lonbond has a broad range of high and low-friction coating services and coating equipment, many of which will be on display.



BETTER PLASTIC AND COMPOSITE MOULDING

Roctool

Stand A7140

If you require a moulding technology that delivers a perfect finish, Automotive Interiors Expo is the place to find it. Roctool's moulding technology makes it possible to create perfect parts from plastic and composites – fast. The company's heat and cool induction technology allows complete temperature distribution control and can create parts that have no sink marks, visible weld lines or defects, while ensuring a quick and efficient cycle time. This year the company is focusing on new finishes including natural, braided or translucent wood, sustainable and recycled materials and soft-touch textiles.

Who to see at this year's forum

Speaker highlights listed below provide a flavour of the trends and innovations that will be discussed over the three-day event. Full details and the latest speaker line-up can be found on the website

40+
industry-leading
speakers

INTERIOR INNOVATION & DESIGN FORUM

For those wanting to discuss industry issues and the next generation of interiors, the free-to-attend three-day Interiors Innovation & Design Forum will host a series of presentations that will cover styling trends, ergonomics, trim and finish, connectivity, safety and technical innovations from industry OEMs, Tier 1 and Tier 2 manufacturers, suppliers, research institutions and styling houses.

FREE TO ATTEND – REGISTER NOW!

DAY 1



**Printed electronics:
the next generation of
interior design**
Dr Paul Lacharmoise,
director, Eurecat
Technology Centre



**Merging form
and function with
injection-moulded
structural electronics
(IMSE)**
Dr Antti Keränen,
CTO, TactoTek Inc

DAY 2



**Sustainable leather
interiors**
Dr Warren Bowden, director
of sustainability
and innovation, Scottish
Leather Group



**Smart HMI solutions
with active design
features**
Dr Wolfgang Clemens, head
of product management,
PolyTC

DAY 3

**Industrialising
creativity: texture
design for the 21st
century**
Michael Miller, head of
design, Architexture Design
at Standex Engraving
Mold-Tech



**Navigating the
automotive VOC test
method roadmap**
Leonard Orzech, global
technical lead VOC, Intertek

DAY 1 TUESDAY 5 JUNE

ROBOTIC MEASURING GESTURE CONTROL QUALITY TESTING

Günther Battenberg, managing director, Battenberg
Robotic GmbH & Co KG, Germany

3D TOUCH SURFACES: CREATING MULTI-PURPOSE INTUITIVE AUTOMOTIVE INTERIOR DESIGNS

Titus Suck, director, European sales, Canatu
Oy, Belgium

INTEGRATION OF OPTICAL FIBRE FOR INTERIOR CUSTOMISATION

Patrice Beraud, automotive sales engineer, Joubert
Productions SAS, France

THE NEW ACTIVEDASH UNITES DESIGN, INFORMATION AND FUNCTION

Mike Böing-Messing, managing director, BÖ-LA
Siebdrucktechnik GmbH, Germany

INNOVATIVE NEW METHOD TO DETECT FILMY CONTAMINANTS

Joerg Guenther, member of the board of directors,
Kunststoff-Institut Luedenscheid, Germany

UNRIVALLED ADVANTAGES OF XTRAFORM ANTIGLARE

Claudio Travi, Fiat Chrysler Automobile key account
manager, MacDermid Performance Solutions, Italy

USE COLOUR AND TEXTURE TO DESIGN INTERIORS THAT DELIGHT CONSUMERS

Matthew Defosse, automotive industry
manager, PolyOne, Germany

THE FUTURE OF MOBILITY NEEDS THE BEST MATERIALS

Hans Peter Schlegelmilch, management
board, Imat-UVI GmbH, Germany

HORIZON FOG TESTING SYSTEM

Hans-Joachim Jahn, application specialist,
Thermo Fisher Scientific, Germany

MERGING FORM AND FUNCTION WITH INJECTION-MOULDED STRUCTURAL ELECTRONICS (IMSE)

Dr Antti Keränen, CTO, co-founder, TactoTek
Inc, Finland

PRINTED ELECTRONICS: NEXT GENERATION OF INTERIOR DESIGN

Dr Paul Lacharmoise, Director, Eurecat
Technology Centre, Spain

Companies
represented
include:

»TACTOTEK«
SMART MOLDER STRUCTURES

ARPRO

BATTENBERG
MESSROBIC

ThermoFisher
SCIENTIFIC

imat-uve
design & engineering

JOUBERT
MORE THAN TEXTILE

eurecat
Technology Centre of Catalonia

autins

DAY 2 WEDNESDAY 6 JUNE

SMART HMI SOLUTIONS WITH ACTIVE DESIGN FEATURES

Dr Wolfgang Clemens, head of product management PolyTC, PolyIC GmbH & Co KG, Germany

UNDERSTANDING BSR (BUZZ, SQUEAK AND RATTLE) EVALUATION

Rich Byczek, global technical director, Intertek, USA

SMART PLASTIC SURFACES: HYBRID PRINTED ELECTRONICS AND HAPTIC FEEDBACK

Dr Konrad Kiefer, project engineer, Kunststoff-Institut Lüdenschheid GmbH, Germany

NEXT-GENERATION NESTING TECHNOLOGY FOR LEATHER CAR INTERIORS MANUFACTURING

Emanuel Martonca, production manager/Thagora business unit, Gemini CAD Systems, Romania

HOW GLASS CAN ENABLE CARS TO SWITCH TO TRUE COLOURS

Antoine Luijckx, head of marketing and product management, AGC Automotive Europe, Belgium

HOD – SAFE TRANSITION BETWEEN ASSISTED AND AUTOMATED DRIVING

Gianluca Favalli, head of engineering and business development manager, IEE SA, Luxembourg

SUPER-LIGHTWEIGHT NON-WOVEN ACOUSTIC INSULATION SOLUTIONS

Michael Pelegrinis, research & development manager, John Cotton Group Ltd, UK

DECORATIVE PLATING IN A HEXAVALENT CHROMIUM-FREE WORLD – UNRIVALLED IMPLEMENTATION

Cédric Vasseur, OEM manager - global, MacDermid Enthone Industrial Solutions, France

SUSTAINABLE LEATHER INTERIORS

Dr Warren Bowden, group sustainability and innovation director, Scottish Leather Group, UK

CROMATIPIC – GREEN CHROME TECHNOLOGY

Chinmay Trivedi, senior process engineer, IHI Hauzer Techno Coating BV, Netherlands

TOUCH-PANEL AND FORCE- FEEDBACK TESTING

Dr Lukas Schneeblei, physicist, Battenberg Robotic, Germany

DAY 3 THURSDAY 7 JUNE

ADVANCED AUTOMOTIVE NON- WOVENS AND COMPOSITES

Dr George Kellie, director, Kellie Solutions Ltd, UK

30% WEIGHT – 130% FUNCTION

Bert Suffis, innovation manager, JSP, France

NEPTUNE: LIGHTWEIGHT ACOUSTIC SOLUTIONS

Stefan Janzen, technical director, Autins, Germany

NAVIGATING THE AUTOMOTIVE VOC TEST METHOD ROADMAP

Leonard Orzech, global technical lead VOC, Intertek, USA

MATERIALS AND PROCESSES FOR FUTURE AUTOMOTIVE INSTRUMENTAL CLUSTERS AND CIDS

Takeshi Mori, chief organiser, Screen Laminotech, Japan

INDUSTRIALISING CREATIVITY – TEXTURE DESIGN FOR THE 21ST CENTURY

Michael Miller, head of design, Architexture Design @ Standex Engraving Mold Tech, UK

PRINTED ELECTRONICS FOR AUTOMOTIVE APPLICATIONS

Dr Margreet de Kok, senior scientist, Holst Centre / TNO, Netherlands

*This programme may be subject to change

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SMART SURFACES AND PLASTIC PRODUCTION AID

Kunststoff-Institut Lüdenschheid

Stand A7328

Replacing physical buttons with interactive surfaces provides many benefits, but also comes with difficulties, such as making sure the uncoated surface is perfectly clean before coating. Kunststoff-Institut Lüdenschheid will present a specially modified powder that reveals contamination and avoids production defects. On the stand there will also be a touch-operable demonstration device, which has been developed to give an insight into the corresponding film insert moulding process and the institute's activities in the area of printed electronics. The institute has also been involved in research that focuses on haptic feedback on touch surfaces. Visit its stand to try out its centre console demo.

SAFER AND STRONGER PARCEL SHELF MATERIAL

Renolit

Stand A7085

Few people give the humble parcel shelf a second thought, but this interior component has to satisfy a number of parameters: it has to be light, strong and durable. Renolit's new material, on display at Automotive Interiors Expo 2018, is ideal not only for parcel shelves, but also for seat back coverings and dashboard inserts. Renolit Technogor is a composite material, created in a direct extrusion process from polypropylene and glass fibre, and is supplied as sheets or rolls. By using fully blended fibres enclosed in sheets, Renolit says it has created a unique product that excels in terms of safety, endurance, health and recyclability.





Seat foam substitute for better seating comfort

Tenowo GmbH

Stand A7260

Tenowo will promote its Multiknit and Malivlies non-wovens, which can be used with a large number of bonding techniques, from binder- and thermobonding, to hydrobonding using AquaJet, high-loft and stitch bonding and regular needle punching. Malivlies is a stitch-bonded non-woven with a surface that simulates a knitted pattern, making it visually appealing and ideal as interior trim on the pillars. Various finishes are available, such as prints, surface embossing, mechanical and thermal surface treatments, coatings, perfume capsules and light effects. Multiknit is a stitch-bonded alternative for seat foam with the same compression hardness, permanent deformation and pressure-elastic behaviour as foam, but is more sustainable, as it can be made either from natural or recycled polyester. It can also be laminated with fabric, artificial leather or leather, easing assembly. It also has superior air permeability and moisture transport to aid seating comfort.

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NON-WOVEN INSULATION FOR INTERIOR AND EXTERIOR APPLICATIONS

Sandler AG

Stand A7245

With near-silent EV powertrains bringing road and wind noise into sharp focus, effective but compact and light sound insulation has never been more important.

Sandler will demonstrate how even a relatively thin sheet of the right non-woven material can provide excellent sound absorption, allowing for a quiet, comfortable drive. This makes it ideal for integration in doors, dashboards and boot trim.

Sandler also produces hydrophobic and

oleophobic variants that are available in black or white for exterior applications such as wheel housings, bumpers or underbody cladding.



Better seat ventilation

JH Ziegler GmbH

Stand A7325

With not only heating, but also ventilation and often massage functions incorporated in modern car seats, padding materials need far more sophistication than ever before. With its HACOflex Silver Line, Ziegler has developed a low-noise combination of non-woven polyester material (PES) and spacer fabrics with a high point elasticity.

The result is flexible and highly permeable to air, because unlike combinations of non-wovens and a foam layer, HACOflex Silver Line facilitates cross-ventilation. It is needle punched and can be sewn underneath fabric or perforated leather, while a black locknit prevents the migration of fibres. HACOflex Silver Line is available in thicknesses of 6-10mm.

Ziegler's HACOflex range also includes the thick and fleecy non-woven HACOflex Climate Line, a mono-material polyester non-woven with multiknit.



NATURAL WOOD-PLASTIC COMBO WITH TOUCH FUNCTIONALITY

Intops

Stand A7353

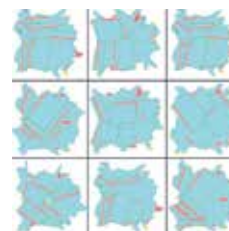
Wood can give an interior a swish and stylish twist as well as a touch of class, but it can be difficult to work with. Drop by Intops' stand to see its solution, which involves applying natural wood onto a plastic base, thus combining the style of wood with the ease of use of plastic. Different coatings can be applied to bring out the natural texture of the wood or to apply a deep high-gloss finish. This technique also allows the integration of touch sensors, which can be combined with backlit microscopic holes to create 'buttons'.

SOFTWARE FOR MORE EFFICIENT USE OF LEATHER HIDES

Gemini CAD Systems

Stand A7580

Leather used to be a material reserved only for the most exclusive automobiles, but today it can be ordered in almost every model of car. The possible cost savings of using as much of the hide as possible are therefore greater than ever, so advanced technology such as Gemini CAD's Thagora helps ensure optimal use of hides. By encompassing computational geometry, AI, machine learning and genetic algorithms with GPGPU processing, Thagora offers highly efficient automated nesting (laying out patterns for cutting on the hide). This technology makes nesting up to 20 times faster and allows the development of a multi-hide nesting solution to use the available material even more efficiently.



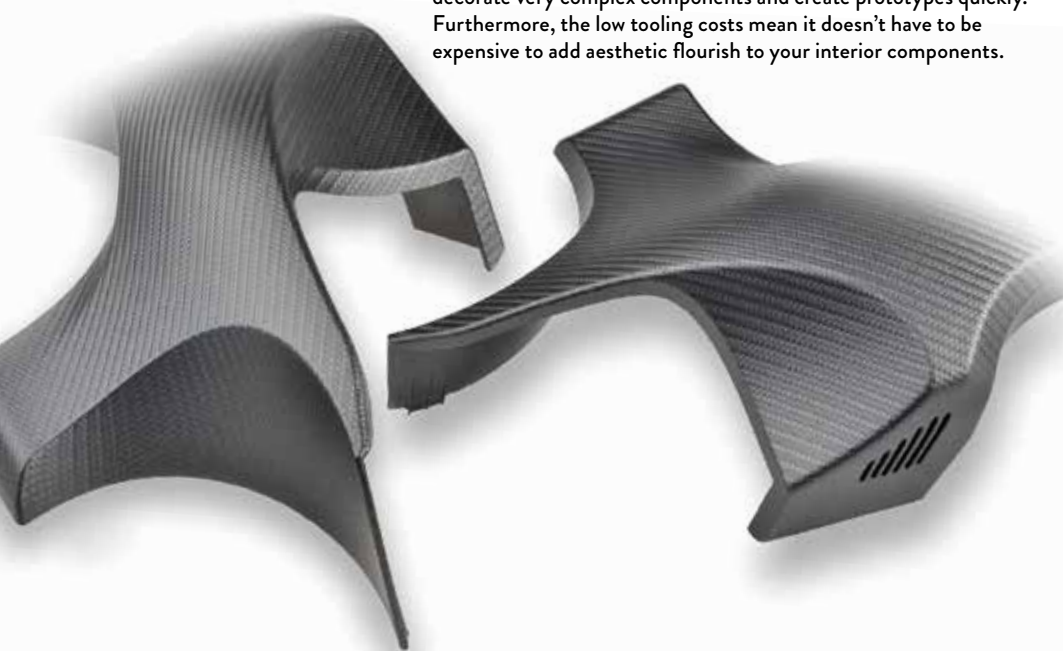
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DECORATION METHOD FOR SMALL-SERIES PARTS

Gubesch

Stand A7050

Surface decoration can really make a difference, turning a bland, functional component into something genuinely aesthetically pleasing. The IPD (individual post-decoration) Skin-Process by Gubesch Group can equip prototypes, single parts and small batches with surface decorations, helping them come alive. The company says it can decorate nearly all materials, including plastic, wood, glass, stone and metal. It can also create 3D images, decorate very complex components and create prototypes quickly. Furthermore, the low tooling costs mean it doesn't have to be expensive to add aesthetic flourish to your interior components.



Multifunctional surfaces and innovative aesthetics

CTAG

Stand A7165

It's a struggle to always have the latest and greatest in interior design. At Automotive Interiors Expo 2018 you can find all the expertise you need. CTAG, a Spanish, privately owned, non-profit R&D technology centre will be showing the latest multifunctional surfaces and aesthetic concepts from its material innovations department. These include integrated sound components that allow speakers to be completely hidden, flexible electronics that make it easier to introduce new functions in all kinds of materials including fabrics; smart surfaces that combine buttons, sensors, projected light and innovative finishes; as well as conductive coatings that can heat up and cool all shapes and materials. Sustainability is becoming an important consideration even for luxury car buyers, so CTAG is also introducing a way to make renewable materials such as stone, wood and natural fibres into a visual feature, because the best way to make materials feel natural is to just use them.

BOOT FLOORS, NETS, LUGGAGE COVERS, AND MORE

Applied Component Technology Ltd

Stand A7060

Applied Component Technology, or ACT, will be at Automotive Interiors Expo to promote its capabilities in the manufacture of components and assemblies such as barrier nets, load floors, roller luggage covers, injection moulded parts, insulation parts and exterior parts like front grilles.

In addition to producing parts and assemblies to clients' exact design specifications, ACT's in-house R&D team can develop an all-new solution based on customers' requirements. ACT will also show off some of its recent achievements, such as a hinged load floor that is capable of holding a 600kg static load, while also contributing to NVH and weight reduction.

LED TECHNOLOGY ALLOWS VARIABLE GRAPHIC DECORATIONS

Walter Pack Group

Stand A7130

Although laser light is the latest hot technology for exterior lights, LED technology still offers many possibilities in automotive interiors. Walter Pack is a Spanish multinational manufacturer of decorated parts for the automobile industry and will present its recent Day & Night decorations and Plastronics developments at the 2018 expo.

These technologies allow the integration of functional electronics into interior parts. One possible application is to work LEDs into trim pieces to display moving images and decorations that can appear or disappear. With manufacturing plants in Europe, India, Mexico and Iran, Walter Pack is ideally placed to supply innovative plastic parts that liven up automotive interiors.



AUTONOMOUS VEHICLE INTERIOR DESIGN & TECHNOLOGY SYMPOSIUM

RATES APPLY – SEE WEBSITE FOR DETAILS!

Held 5-7 June alongside Automotive Interiors Expo, at Messe Stuttgart, Germany, the symposium is the place to discuss next-gen interior design issues

Autonomous and driverless vehicle technology presents automotive designers and vehicle manufacturers with a completely new and radical approach to the way in which vehicle interiors are designed and operate. New technology will allow passengers to spend less time driving and more time doing other things, which could radically change the way consumers make their buying decisions.

To facilitate this transition, Autonomous Vehicle Interior Design & Technology Symposium will bring together automotive design teams from OEMs and design companies, Tier 1 and Tier 2 suppliers, electronics specialists, in-car entertainment companies, interior safety experts, materials companies, and many others involved in the future of automotive and passenger vehicle interiors.

The three-day event is dedicated to the study of future interior design, innovative seating configuration, ergonomics, control systems and HMI, in-car entertainment and connectivity, onboard wellness and safety, as well as discussing interior opportunities and challenges brought about by increased vehicle autonomy.





EDITOR'S TOP PICKS!

TUESDAY 5 JUNE

09:00: HOW TO GET FROM EXPECTATIONS TO EXPERIENCE IN AUTONOMOUS DRIVING

Christoffer Kopp, product owner, UX Autonomous drive, Volvo



11:15: NEW CHALLENGES FOR HMI IN THE AGE OF AUTONOMOUS DRIVING

Rashmi Rao, senior director, advanced engineering, CoC user experience, Harman



WEDNESDAY 6 JUNE

09:30: A VISUAL AID AGAINST MOTION SICKNESS

Dr Paolo Pretto, research team leader, Max Planck Institute for Biological Cybernetics



12:15: INDUCING TRUST: AI-POWERED ASSISTANTS AS SPOKESPEOPLE FOR AUTONOMOUS VEHICLES

Dr Nils Lenke, director corporate research, Nuance Communications



THURSDAY 7 JUNE

09:00: FUNCTIONAL INTERIOR LIGHTING: COGNITION, ORIENTATION, WELL-BEING AND SAFETY

Dr Frederik Diederichs, senior researcher, Fraunhofer IAO



15:15: DRIVER-STATE-BASED HMI IN AUTOMATED DRIVING: THE ADAS&ME APPROACH

Stella Nikolaou, researcher, CERTH/HIT



DAY 1 TUESDAY 5 JUNE

09:00 - 12:45 -

Keynote Opening Session

09:00 - HOW TO GET FROM EXPECTATIONS TO EXPERIENCE IN AUTONOMOUS DRIVING

Christoffer Kopp, product owner – UX autonomous drive, Volvo Car Corporation, Sweden

09:30 - SHAPING THE FUTURE OF AUTOMOTIVE INTERIORS – A VISION FOR INNOVATIVE SEATING SYSTEMS

Thomas Gunkel, design manager, industrial design, Adient, Germany

10:00 - BENEFITS OF AUGMENTED-REALITY HEAD-UP DISPLAYS FOR AUTOMATED DRIVING

Bettina Leuchtenberg, expert HMI, ergonomics and usability, Continental Automotive GmbH, Germany

Dr Thomas Vöhringer-Kuhnt, head of HMI user experience and design, Continental Automotive GmbH, Germany

10:30 - 11:15 - BREAK

11:15 - NEW CHALLENGES FOR HMI IN THE AGE OF AUTONOMOUS DRIVING

Rashmi Rao, senior director, advanced engineering, CoC user experience, Harman, Germany

11:45 - SURF & CURVE – HMI READY FOR SAE 3

Sören Lemcke, head of advanced human interface solutions, ZF TRW BCS, Germany

12:15 - CREATING 'MAGIC' IN THE SEATS FOR AUTONOMOUS DRIVING

Marc van Soolingen, Global design director seating, Faurecia, France

12:45 - 14:15 - LUNCH

14:15 - 18:00 - Afternoon Session

14:15 - THE AUTOMOTIVE COCOON

Dr Dominique Massonié, product manager - HMI, Elektrobit Automotive, Germany



14:45 - WILL PARALLEL INDUSTRIES AND NON-TRADITIONAL OEMS DRIVE THE AUTONOMOUS CARS OF THE FUTURE?

John Tighe, design director transport, JPA
Design, UK

15:15 - REAL-ESTATE DESIGN OPPORTUNITIES OF AUTONOMOUS CARS

Richard Seale, lead automotive
designer, Seymourpowell, UK

15:45 - 16:30 - BREAK

16:30 - MOBILE LIVINGROOM 2.0

Moritz von Grotthuss, CEO, Gestigon -
a Valeo brand, Germany

17:00 - HIGHLY ACCURATE REFERENCE SYSTEM FOR VALIDATION OF DRIVER MONITORING

Heiko Ruth, head of system department,
CMORE Automotive, Germany

17:30 - LOUNGES ON WHEELS?

Dr Cyriel Diels, academic director, National Transport
Design Centre, Coventry University, UK

DAY 2 WEDNESDAY 6 JUNE

09:00 - 12:45 - Morning Session

09:00 - UNDERSTANDING OCCUPANTS' VISUAL BEHAVIOUR - AI INSIDE AUTONOMOUS VEHICLES

Modar Alaoui, CEO, Eyeris, USA

09:30 - A VISUAL AID AGAINST MOTION SICKNESS

Dr Paolo Pretto, research team leader, Max Planck
Institute for Biological Cybernetics, Germany

10:00 - AUTONOMOUS MOBILITY 2050: FOUR POTENTIAL TRANSFORMATIVE OUTCOMES FOR VEHICLE INTERIORS

Carlo Budtke, senior consultant, P3
Group, Germany

10:30 - 11:15 - BREAK

11:15 - USER-CENTRED DESIGN OF AUTONOMOUS DRIVING SYSTEMS IN TRUCKS

Arnd Engeln, professor for market and advertising
research, traffic and transport psychology,
Stuttgart Media University, Germany

11:45 - PERSONALISING THE AUTONOMOUS VEHICLE INTERIOR WITH FLEXIBLE PLASTIC LCDS

Simon Jones, commercial director,
FlexEnable, UK

12:15 - INDUCING TRUST: AI-POWERED ASSISTANTS AS SPOKESPEOPLE FOR THE AUTONOMOUS VEHICLE

Dr Nils Lenke, director corporate research,
Nuance Communications, Germany

12:45 - 14:15 - LUNCH

14:15 - 18:00 - Afternoon Session

14:15 - LEVELLING UP: AN HMI ROADMAP FOR LEVEL 3 AND 4 AUTONOMOUS TRANSPORT

Derek Viita, senior analyst, in-vehicle UX service,
Strategy Analytics, USA

14:45 - INDIVIDUAL DIFFERENCES IN TRUST, PERCEPTION AND USAGE OF AUTOMATED SYSTEMS

Dr Tanja Schweiger, manager, automotive solutions,
J.D. Power Europe GmbH, Germany

15:15 - 3D SENSING INFRASTRUCTURE FOR NEXT-GENERATION IN-CABIN APPLICATIONS

Dr Gregor O Novak, managing director,
Becom Bluetechnix GmbH, Austria

15:45 - 16:30 - BREAK

16:30 - OCCUPANT RESTRAINT DILEMMA FOR AUTONOMOUS VEHICLES

Dr Gopal Krishnan Chinnaswamy, senior
project engineer, Virtual Engineering
Centre, University of Liverpool, UK

17:00 - CREATION AND EVALUATION OF A LEVEL 5 DRIVERLESS POD DESIGN

Joscha Wasser, researcher, Coventry
University & Horiba MIRA, UK

17:30 - VIRTUAL PROTOTYPING TO VIRTUALLY TEST PASSENGER COMFORT AND SAFETY

Caroline Borot, business development
industry solutions, ESI, France

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DAY 3 THURSDAY 7 JUNE

09:00 - 12:45 - Morning Session

09:00 - FUNCTIONAL INTERIOR LIGHTING: COGNITION, ORIENTATION, WELLBEING AND SAFETY

Dr Frederik Diederichs, senior researcher,
Fraunhofer IAO, Germany

09:30 - VI-DAS HMI FOR USER- CENTRED AUTOMATION

Paul Schouten, UX designer, TomTom,
Netherlands

10:00 - UX 2025: INVESTIGATING THE USER EXPERIENCE IN THE CONNECTED COCKPIT OF 2025

Patrice Reilhac, innovation and collaboration research
director, Valeo, Germany

10:30 - 11:15 - BREAK

11:15 - HMI FOR INTUITIVE AND ADAPTIVE TRANSITIONS

Dr Alessia Knauss, research specialist,
Autoliv Research, Sweden

11:45 - HUMAN AND AUTOMATION AS TEAM MEMBERS: THE AUTOMATE PROJECT

Dr Andreas Lüdtkke, group manager,
Offis, Germany

12:15 - VI-DAS PROJECT - A NOVEL APPROACH TO NEXT-GENERATION VEHICLE INTERACTION

Dr Oihana Otaegui, head of ITS and engineering
department, Vicomtech, Spain

12:45 - 14:15 - LUNCH

14:15 - 16:15 - Afternoon Session

14:15 - FEELING YOUR CAR: HMIS AS ENVISIONED BY THE VI-DAS PROJECT

Dr Margarita Anastassova, research
engineer, CEA LIST, France

14:45 - HOW CAN I HELP MY AUTONOMOUS VEHICLE?

Elisa Landini, programme manager,
RE:Lab, Italy

15:15 - DRIVER-STATE-BASED HMI IN AUTOMATED DRIVING: THE ADAS&ME APPROACH

Stella Nikolaou, researcher, CERTH/HIT, Greece

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6 June 10:00hrs – 17:00hrs

7 June 10:00hrs – 15:00hrs

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