OUR TOP THEMES

• Future world 2050: growth, smart revolution and resources
• Innovative composite components for premium cars
• Series-production application of hybrid technology for lightweighting and support structures
• Two-component injection molding with breathing mold
• Aerodynamic optimizations and lightweight solutions for CO₂ reduction
• Optimized collision simulation for components made of organo sheets
• Production and testing in the use of engineering recyclates

with friendly support of:

• +1500 Attendees
• +100 Exhibitors
• +80 Speakers
• PARALLEL CONFERENCE: Plastics in Commercial Vehicles

An Event organized by VDI Wissensforum GmbH • www.vdi-wissensforum.de/en/plastics-in-automotive-engineering • Phone +49 211 6214-201 | Fax +49 211 6214-154
Dear Sir or Madam,

Engineering plastics, fiber-reinforced composites and multifunctional plastic composites provide ongoing support to the modern automotive industry today.

In many cases multi-functional tools and automated processes make particularly economic system solutions possible. Additive manufacturing in combination with plastics already have a great potential today for producing individual, tailor-made component concepts above all for small production runs.

Lightweight construction, an attractive look and feel for the interior, and active and passive safety stand right at the forefront of new automotive developments today.

Innovations in plastics technology have a direct influence on tomorrow’s vehicle concepts. Mixed construction with plastic composites, natural fiber applications, overmolded and in-mold film laminated parts, LCD- and OLED-based lighting technologies, and also optically and haptically optimized display and operating concepts make tailored system solutions possible in both passenger cars and commercial vehicles and thus secure in the long term the international competitiveness of the plastics and automotive industries.

The Association of German Engineers invites you to Mannheim on the 29th and 30th March 2017 for the annual international plastics conference ‘Plastics in Automotive Engineering 2017’. Overview presentations on resource efficiency from research and the market, technical reports on innovations in plastics from the car and commercial vehicle sectors, and as practical reports from plastics processing provide detailed information on the current state of the art in plastics technology in automotive engineering. An exhibition involving plastics producers and machinery manufacturers as well as an affiliated motor show with the latest cars and commercial vehicles provide a focus for an exchange of specialist information at the object itself.

May we cordially welcome you to Mannheim!

Prof. Dr. Rudolf Stauber,
Fraunhofer Project Group Materials Recycling and Resource Strategies, IWKS, Alzenau and Hanau

Foreword to the 2017 VDI Congress

Program overview

TUESDAY, 28TH MARCH 2017

20:00  Automotive Night

WEDNESDAY, 29TH MARCH 2017, FIRST DAY OF CONGRESS

MOZARTSAAL  MUSENSAAL  STAMMITSAAL

09:00  Plenary Session

10:45  Coffee break and visit to the exhibition

11:30  Exterior

11:30  Exterior

11:00  Lunch and visit to the exhibition

13:00  Lunch and visit to the exhibition

14:30  Exterior

14:30  Exterior

16:00  Coffee break and visit to the exhibition

16:40  Methods

16:40  Simulation

18:10  Evening reception in the exhibition

THURSDAY, 30TH MARCH 2017, SECOND DAY OF CONGRESS

MOZARTSAAL  MUSENSAAL

09:00  Technology

10:30  Coffee break and visit to the exhibition

11:10  Technology

11:00  Materials & Methods

11:10  Materials & Methods

12:40  Lunch and visit to the exhibition

13:45  Plenary Session

14:45  Closing words

14:55  End of the congress

Technical sponsors

VDI Society for Materials Engineering

The VDI Society for Materials Engineering makes a point of networking experts both from business and from scientific fields close to actual applications in order to allow discussion of current questions about components and products from the point of view of materials and the corresponding technologies and also to enable engineers in this field to access via the network the approaches to solutions which have been worked out. www.vdi.de/gme

Target Group

Manager, Engineers, Technicians, Developer etc. of the Industry (OEM, Tier-1), Economy, Research
**TUESDAY, 28TH MARCH 2017 | AUTOMOTIVE NIGHT**

20:00 **Automotive Night at the Manufaktur Mannheim**

On the eve of the first congress day we invite you to the “Automotive Night”. In a communicative and relaxed atmosphere, the get-together offers a good opportunity ahead of time to talk and network with other participants, speakers and exhibitors.

Buses leave the Dorint Hotel Mannheim at 7:45 pm on 28th March 2017.

**WEDNESDAY, 29TH MARCH 2017 | FIRST DAY OF CONGRESS**

### Plenary Session | Prof. Dr. Rudolf C. Stauber

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:00</td>
<td>Welcoming address and presentation of awards</td>
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<tr>
<td></td>
<td>Prof. Dr. Rudolf C. Stauber, Fraunhofer Project Group Materials Recycling and Resource Strategies, IWS, Alzenau and Hanau</td>
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<tr>
<td>09:15</td>
<td><strong>Future 2050: technological trends in an era of sustainability and smart machines</strong></td>
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<td>- Megatrends of the decades to come</td>
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<td>- Economic growth, resources and a limited world</td>
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<td>- The new age of electricity: impacts on energy, transportation, industry, cities</td>
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<td>- The smart revolution: smart car, smart grid, smart home, smart industry</td>
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<td></td>
<td>- Future of transportation: electric, autonomous and connected</td>
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<tr>
<td>09:45</td>
<td><strong>Fiber composites for air and space travel: opportunities and challenges</strong></td>
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<td>- Characterization of the fiber composites used</td>
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<td>- Presentation of the production technology</td>
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<td>- Methods of production-integrated non-destructive testing (NDT)</td>
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<td>- Practical applications: fuselage and booster housing</td>
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<td>10:15</td>
<td><strong>StreetScooter – Story of Success</strong></td>
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<td>- Light commercial vehicles</td>
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<td>- Last mile</td>
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<td>- E-Mobility success story</td>
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<td>- TCO – Total Cost of Ownership</td>
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<td>10:45</td>
<td>Coffee break and visit to the exhibition</td>
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### MOZARTSAAL

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<th>Time</th>
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<tr>
<td>11:30</td>
<td><strong>Evolutionary press lamination</strong></td>
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<td>- Evolution of lamination process</td>
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<td>- Reduction of cycle times</td>
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<td>- Changing from a discontinuous to a continuous process sequence</td>
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<td>- Lamination of instrument panels</td>
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<td></td>
<td>- Calculation and outlook</td>
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|            | Dipl.-Ing. (FH) Stefan Kabelsberger, Head of Process Technology Interior, BMW AG, Landshut | Co-author: Ralph Kurz, BMW AG, Landshut

### MUSENSAAL

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>12:00</td>
<td><strong>Market-specific development: the interior of the new Volkswagen Atlas</strong></td>
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<td>- Distributed development in the global environment</td>
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<td>- Implementation of a multiple-location development</td>
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<td>- Market-oriented interior: requirements of the US and Chinese markets</td>
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<td>- Variant management and market fulfillment: application examples</td>
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<td>- Cost-aware quality perception in interior development: technologies</td>
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<td>Dipl.-Wirts.-Ing. Robert Meier, Head of Development: Instrument Panel &amp; Center Consalae and Dipl.-Ing. Jens Schoder, Head of Development: Interior, both of Volkswagen Donaueck, Donaueck</td>
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### MOZARTSAAL

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tr>
<td>12:30</td>
<td><strong>Methodical enhancements of weight reduction for Car Interior Trim parts – Current application and future approaches from a car manufacturer’s perspective</strong></td>
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<td>- Weight-reduction opportunities with conventional injection molding processes</td>
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<td>- Requirements regarding part design, tooling and equipment</td>
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<td>- Alternative weight-reduction approaches for vehicle-interior injection-molded parts</td>
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<td>- Risks and opportunities for the vehicle-interior trim parts</td>
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<td>Markus Steinbach, Technical Lead Engineer, Interior Trim and</td>
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<td>Dipl.-Ing. Jürgen Maier, EGM Interior Innovations &amp; Global Seat Innovation Lead, Vorausentwicklung Innenaum, beide Adam Opel AG, Rüsselsheim</td>
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### MUSENSAAL

<table>
<thead>
<tr>
<th>Time</th>
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<tr>
<td>13:00</td>
<td>Lunch and visit to the exhibition</td>
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**3rd VDI Conference Plastics in Commercial Vehicles**

- **Interior** | Prof. Dr. Rudolf C. Stauber
- **Exterior** | Dipl.-Ing. (FH) Anja Jäschke

- The underbody: an underestimated contribution to CO₂ reduction
  - Choice of material for underbody panels
  - CO₂ reduction by using lightweight construction and aerodynamic optimization
  - Manufacturing process for underbody panels
  - Cost optimization
  - Dipl.-Ing. (FH) Oliver Mende, Head of Construction Underbody Application, Development Mounting Parts Exterior, Volkswagen AG, Wolfsburg

- Thin Wall Bumper – an update of materials, process and technology innovations
  - Material Development
  - Tooling Concepts and Requirements
  - Welding Technologies for Thin Wall Bumpers (PDC Holder, etc.)
  - Co-authors: Dipl.-Ing., Wirt.-Inform. (BA) Christopher Horbas, Dipl.-Ing. (FH) Frank Wagner, all of AUDI AG, Ingolstadt

- Development of a tank-cap hinge made of recycling material
  - Tank-cap hinge: requirements and material development
  - Design with recycling material
  - Calculation and outlook
  - Dipl.-Ing. (FH) Markus Thurnmeier, M.Eng., Development Engineer fiber-reinforced Plastics, Co-authors: Dipl.-Ing., Wirt.-Inform. (BA) Christoph Horbas, Dipl.-Ing. (FH) Frank Wagner, all of AUDI AG, Ingolstadt
17:40  New vinyl ink and robotized inkjet printing process for the fine decoration of instrument panels made by PVC slush molding
  - Inkjet printing
  - PVC slush molding
  - Instrument panel customization
  Dr. Nicolas Amouroux, Ph.D., Director Automotive Interior, Co-author: Mustapha El Faouzi, both of IFV Group, Reims, France

15:00  Plastic Interface Technology 2.0 – an attractive possibility to produce decorative and functional surfaces
  - Bonding technology
  - Back moulding with thermoplastics
  - Cost efficiency and reduced complexity
  - Decorative and functional surfaces
  - High surface quality and design performance
  Dr. Ralf Langendorf, Engineering Group Manager, Adam Opel AG, Rüsselsheim and Dr. rer. nat. Dipl.-Chem. Erik Licht, Head of Business Development, Co-author: Klaus Müller, both of Basell Deutschland GmbH (LyondellBasell), PP Compounds, Frankfurt a. M

15:30  New surfaces and requirements of applying existing testing methods
  - Basics about coating inside the mold
  - Basics about automotive testing methods
  - Special requirements during the implementation of tests
  - Methods for finding the cause of a failure
  Dipl.-Ing. (FH) Jörg Günther, Managing Director, Co-author: Dipl.-Ing. Dominik Malecha, both of Kunststoff-Institut Lüdenscheid GmbH

16:40  Innovative processing of thermoplastic composites for Porsche Panamera brake pedal
  - Potentials and limits of thermoplastic composites
  - Design of fiber orientation
  - Development cycle for endless-fiber parts
  - Automation for processing thermoplastic composites

17:10  Energy-efficient production of thermoplastic CFRP parts by direct processing
  - Motivation for energy-efficient and sustainable lightweight design
  - Electric resistance heating of carbon fibers
  - Direct impregnation in injection-molding machines
  - Process improvement

17:40  3D direct filing of natural fibers in the fiber blowing process
  - Material combination of natural fibers and secondary carbon fibers
  - Development of formulations / stiffness optimization
  - Maximum lightweight construction
  - New industrial production process for fiber-composite components

18:10  Evening reception on the exhibition on the first congress day

All attendees are cordially invited to a communicative get-together with a drink and buffet. Discuss the results of the first day of the congress with your colleagues and make new contacts. We very much look forward to seeing you!
09:00 Application of discontinuous carbon fiber-reinforced plastics in a differential housing for a hybrid super sports car
- General conditions for exhaust gas treatment
- Requirements for the polymers and materials
- Material specifications
- Tanks, tubing, delivery modules

Ing. Stefan Klaus Notthdurffer, Head of Engineering, Advanced Composite Research Center, Automobili Lamborghini S.p.A., Sant' Agata Bolognese, Italy

09:30 Application of pultrusion process technology to automotive engineering for highly stressed body structures
- Automated large-scale automotive production of fibre-reinforced composite parts
- Thermoset pultrusion
- Door structures

Dr.-Ing. Philipp Härmann, Designer Lightweight Design Fiber-Reinforced Doors, Development Body Construction and Dr.-Ing. Tobias Ströhlein, Planner Technology Development, Production Processes, Co-authors: Dipl.-Ing. (FH) Kino Barmemann, Dipl.-Ing. Helge Herten, Dr.-Ing. Volker Hohm, all of Volkswagen AG, Wolfsburg

10:00 Hollow profiles, organosheets and LURT node structures: hybrid components made of fiber-reinforced plastics for automotive serial production
- Composites
- Frame structures
- Lightweight design

Dipl.-Ing. Alexander Liebsch, Research Engineer, Institute of lightweight design and Plastics Technology (ILK), TU Dresden and Dipl.-Ing. Philipp Müller, M.Sc., Development Engineer, Advanced Development, Dr. Ing. h.c. F. Porsche AG, Weissach, Co-authors: Dr.-Ing. Robert Kupfer, Prof. Dr.-Ing. habil. Mark Gut, TU Dresden, Dr.-Ing. Nino Andricevic, Dr. Ing. h.c. F. Porsche AG, Weissach

10:30 Coffee break and visit to the exhibition

11:00 Materials Data Space for composite materials: digitization of material competence within the framework of Industry 4.0
- Material data
- Linked simulation
- Integrated inspection

Dr.-Ing. Ralf Schlümp, Group Leader, Fiber Composite Structures, Co-authors: Prof. Dr.-Ing. Peter Michel, Dr.-Ing. Matthias Zscheyge, all of Fraunhofer-Institut für Mikrostruktur von Werkstoffen und Systemen IMWS, Halle

11:40 Two-component air-guide panel of BMW 7 series manufactured by co-molding and foaming using core-back technology
- Foam injection molding (MuCell®)
- Co-molding
- Core-back technology / core-back expansion
- Soft-hard combination

Dr.-Ing. Alexander Roch, Head of Technology Thermoplastics, Polymer Engineering, Fraunhofer-Institut für Chemische Technologie ICT, Pfinztal and Burkhard Schmid, Development, B&B Kunststoffwerk Marbach Baxer, Marbach am Neckar,
Co-authors: Andreas Menrath, Fraunhofer ICT, Pfinztal

13:15 Application of organosheets in underbody components
- Cost- and weight-optimized off-road package
- PP-GF, fiber reinforcements in a matrix of thermoplastics
- Underbody components

13:45 Design developments relevant to the future in the vehicle interior
- Overview of current cockpit design developments
- Effects on cockpit design of ‘autonomous driving’
- Definition of design factors in the vehicle interior for ‘autonomous driving’
- Outlook for increasing ‘resolution tendencies’ in the cockpit

Plenary Session | Prof. Dr. Rudolf C. Stauber

14:25 End of the congress
MARKETPLACE PLASTICS IN AUTOMOTIVE ENGINEERING

One of the highlights of the automotive congress in Mannheim is the accompanying trade show. For congress visitors’ eyes only, more than 100 national and international companies will present innovative solutions in plastics in the foyer of the Congress Centre. The auto show presents the latest models and highlights, the attendees have the opportunity to study and discuss the components directly on the vehicle.

Information
If you would like to exhibit or sponsor at this VDI congress please contact:
Sandra Klack
Project Consultant Exhibition and Sponsoring
Phone: +49 (0) 211 62 14-188
klack@vdi.de

Exhibitors at Plastics in Automotive Engineering 2017 (as at December 2016)

3A Composites Core Materials
3M Deutschland GmbH
A. Schulman GmbH
A.P.I. S.p.A.
Akro-Plastic GmbH
ALKANE Technologies GmbH
ALBA tooling & engineering GmbH
almask international GmbH
Americhem Europe Ltd
ARKEMA
Asahi Kasei Plastics NA Inc.
Ascend Performance Materials spol
Barlag plastics GmbH
Basell Deutschland GmbH
BASF Polyurethanes GmbH
BASF SE
Bertrandt AG
Biesterfeld Plastic GmbH
BOREAS AG
Celanese Engineered Materials Division
Christian Karl Siebenwurst GmbH & Co. KG
Clariant SE
Covestro Deutschland AG
Demag Engineering Plastics GmbH
DuPont International Operations Sàrl
E.I.DT GmbH & Co. KG
Elantron Kimya A.s.
Elva Polymers S.L.
Eirlinglinger AG
EMS-Chemie (Deutschland) Vertriebs GmbH
Engel Austria GmbH
Ensinger Compounds Geschäftsbereich der HP Polymer GmbH
Evonik Industries AG
Fraunhofer-Institut ICT
FRMO Group GmbH
Georg Kaufmann Formenbau AG
GIK Goldmann Kunststoffe GmbH & Co. KG
Graf Advanced Polymers GmbH
gsk Gesellschaft Wärme Kältetechnik mbH
HBM GmbH
HBW Gubesch Thermoforming GmbH
Hexion GmbH
Hoffmann + Voss GmbH
HRSlaw GmbH
INCOE International Europe
INDUS Stylistisation Europe GmbH
Institut für Verbandswirtschaft GmbH
InterTek Polychemlab B.V.
Kiefer GmbH
KIKFA Sci. & Tech. (Europe) GmbH
Krautberg TPE GmbH & Co. KG
KraussMaffei Technologies GmbH
Kunststoff-Institut für die mittelständische Wirtschaft NRW
Kurz Stiftung & Co.KG
Lanxess Deutschland GmbH
Lehmann & Voss & Co. KG
LG Chem Poland Sp. z o.o.
Lotte Advanced Material Europe GmbH
Manuken Europe Pte.
MF Software Sales & Service Group GmbH
Mitsubishi Rayon Co. Ltd.
Mitsui Chemicals Europe GmbH
Momentive Performance Materials GmbH
Nanogate AG
Nexeo Solutions Germany GmbH
Nissia Europe GmbH
Oderwald-Chemie GmbH
Oerlikon Balzers Coating Germany GmbH
ON-Wärmetechno GmbH
PART Engineering GmbH
PENTAC Polymer GmbH
Plastics Engineering Group GmbH
PolyOne
PCW GmbH
Polyplastics Europe GmbH
Polyram plastic industries LTD
Polyscape Polymers B.V.
Profil KG
QIN-FORM GmbH & Co. KG
Quadrant Plastic Composites AG
Quarzwerk GmbH
RadiqGroup Performance Plastics
Recicat Automobilisysteme GmbH
Repsol Quimica, S.A.
Resinex Germany GmbH
Resvoplast S. A.
RTP Polymers GmbH
RoTeq GmbH
ROMIRN GmbH
ROWA Masterbatch GmbH
SABIC Innovative Plastics BV
SEIKOSUI CHEMICAL CO.,LTD.
SHANGHAI PRET COMPOSITES CO.,LTD.
Sirmax Spa
SIRL GmbH
SOLUAV
Summerr Technologies GmbH & Co. KG
Symventive Molding Solutions GmbH
Toray Industries Europe GmbH
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Trinseo Deutschland Anlagengesellschaft mbH
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WIPAG Deutschland GmbH

Media Partners

Congress office
Congress Center Rosengarten, Lobby
Phone +49 (0) 621 41 06-50 82
Fax +49 (0) 621 41 06-59 01

Office hours Plastics in Automotive Engineering
Wednesday, 29th March 2017 8:00 am to 6:30 pm
Thursday, 30th March 2017 8:00 am to 3:00 pm

Congress languages
German and English (with simultaneous interpreting)

Note
Make best use of your time in Mannheim for contacts and save yourself waiting time when the congress begins by picking up your congress documents on Tuesday, 28th March 2016 between 6:00 pm and 9:00 pm at our advance check-in facility in the Dorint Congress-Hotel Mannheim.

With friendly support from:
Plastics in
Commercial Vehicles

Lightweight design for increased payload: new approaches using fiber-reinforced plastics and microcellular injection molding
Lars Jerpdal, M.Sc. M.E., Research Engineer, Materials and Production Processes,
Co-authors: Dipl.-Ing. Jörg Hain, Dr.-Ing. Dipl.-Phys. Olaf Täger, all of Volkswagen Konzernforschung, Wolfsburg

Carbon lightweight design: lighter and cheaper than metal
Dipl.-Wi.-Ing. Gerret Kalkhoffen, Managing Director, Carbon Truck & Trailer GmbH, Stade

Development of a carbon-composite transmission housing
Dipl.-Ing. (FH) Monika Kreutzmann, Technology & Innovation Advisor, Head of COC Composites,
Co-authors: Dr. Thomas Schneider, Dipl.-Ing. Rolf Rademacher, all of PuZ Engineering GmbH, Munich

The use of an alternative material for engine encapsulation in trucks
Toon van den Einden, Manager Non-Metals, R&D, DAF Trucks, Eindhoven, The Netherlands,
Co-author: Dipl.-Ing. Klaus Menke, Head of RD, Johann Borgers GmbH & Co., Rochlitz

A new analytical calculation method for the injection-molding process of composite luggage rack holder
Prof. Mustafa Bakkal, Associate Professor, Mechanical and Manufacturing Engineering, Istanbul Technical University, Istanbul, Turkey, Co-authors: Ökan Öztürk, Sami Doğru, both of Daimler, Istanbul, Turkey

True confidence in thermoplastic composite simulations for any automotive component
Warden Schijve, Chief Scientist Composites,
Co-authors: Recep Yaldız, Gino Francato, all of SABIC, Geleen, Netherlands and Düsseldorf

UV-resistant plastics for dynamically and statically most-stressed parts to achieve cost efficiency
Dipl.-Ing. (FH) Christian Bauer, Development Engineer, Teamleader Professional Group Body Construction, Co-author: Dipl.-Ing. (FH), Hartmut Hieberle, both of MAN Truck & Bus AG, München

Lightweight carrier system for the air filter of the Mercedes-Benz Actros
Dipl.-Wirt.-Ing. (FH) Horst Hauke, Managing Director, BBP Kunststoffwerk Marbach Baier GmbH, Marbach am Neckar

Commercial vehicle interior design developments
Dipl.-Industrie Designer (FH) Jörg Friedrich, Managing Director, Unternehmensberater/Designer, Car Men GmbH, Idstein

Innovative plastic applications for a small city-bus concept
Dr.-Ing. Gerhard Kopp, Teamleader lightweight Concepts and Methods Road Vehicles,
Co-authors: Dipl.-Ing. (FH) Oliver Daßler, both of Deutsches Zentrum für Luft- und Raumfahrt e.V. (DLR), Institute of Vehicle Concepts, Stuttgart, Prof. Dr.-Ing. Alexander Müller, Hochschule Esslingen – University of Applied Sciences, Esslingen

Development of lightweight vehicle bodies for caravans and commercial vehicles
Dr.-Ing. Christian Fiebig, Development Engineer Plastics Technology,

Further details and the final program can be found here:
www.vdi-wissensforum.de/kunststoffe-in-nutzfahrzeugen
Why attend?

Take advantage of this opportunity for participating in technical discussions at the physical object itself

About 80 talks from vehicle manufacturers and the relevant suppliers

Experience the latest models from the automakers in the accompanying auto show

Exhibition with about 100 exhibitors from along the entire process chain

High-quality networking platform

International Congress
Plastics in Automotive Engineering 2017

Please choose your price category

<table>
<thead>
<tr>
<th>PC</th>
<th>VDI Congress Plastic in Automotive Engineering (01/2017) Participation Fee 1</th>
<th>Participation Fee VDI Member 2</th>
<th>VDI membership number*</th>
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<tr>
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<td>EUR 1.290,-</td>
<td>EUR 1.190,-</td>
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(For the price category 2, please state your VDI membership number)

I like to register to the Automotive Night on March 28th, 2017 (at 8pm), price per person: EUR 30,-

I’m interested in Sponsoring and/or Exhibition

Surname
First Name
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Different address for account

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Mastercard
American Express

Credit card holder
Card no.
Security Code valid until
Date Signature

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https://www.vdi-wissensforum.de/en/terms-and-conditions/

Data protection: Your personal data will be maintained for internal business and marketing purposes only in accordance to the by-laws, policies, and procedures of the VDI.

Therefore please use the email address: wissensforum@vdi.de

Venue / Accommodation

Congress Venue:
Congress Center Rosengarten,
Rosengartenplatz 2,
68161 Mannheim,
Germany,
Phone: +49 (0) 621 41 06-0 (Main Switchboard),
www.mcon-mannheim.de

Accommodation:
A limited number of rooms are available at a special rate.
Please book your accommodation early.
To make your reservation:
www.kunststoffe-im-auto.de

Venue of the Automotive Night:
Manufaktur – Mannheimer Genusswerk,
Industriestraße 35,
68169 Mannheim