

International Congress March 26 – 27, 2025, Mannheim, Germany

Top topics

- Lightweight Design: Innovative Materials and Manufacturing processes for CO₂ reduction and increased efficiency
- Surface Technology: Smart coatings and Recycling to improve material quality
- Bio-based Materials: Lignin and bio-based plastics for more sustainable vehicle parts
- Electric Drives: materials and technologies for longlasting, high-performance Batteries and Electric drives
- Digital Future: AI Design and intelligent Process monitoring for resource-saving production

Your benefits

- Industry meeting-point with 70 Exhibitors
- 47 hand-picked Keynotes & Lectures
- 15 OEM Lectures
- Auto Show
- Networking Party

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PIAE 2025 | Program Overview

Wednesday, March 26, 2025 – 1st Day of Congress

Mozartsaal (Level 0)							
08:50	Keynotes						
10:30 Coffee Brea	with Visit to the Exhibition & Auto Show						
	Mozartsaal (Level 0)		Musensaal (Level 1)		Stamitzsaal (Level 1)		
11:15 🚫	Circular Economy	X	Manufacturing Processes 1		Interior		
13:15 Lunch Break	with Visit to the Exhibition & Auto Show						
15:00	Exterior		Lightweight Design 1		Plastics Electronics		
16:00 Coffee Brea	with Visit to the Exhibition & Auto Show						
17:00	Sustainability 1	°¢	Simulation		Lightweight Design 2		
ab 18:00	ab 18:00 PIAE Networking Party in the Trade Exhibition and the Eva and Sepp Herberger Lounge						
Thursday, March	27, 2025 – 2 nd Day of Congress						
Mozartsaal (Level 0) Musensaal (Level 1) Stamitzsaal (Level 1)							
09:00	Recyclates		Materials	X	Manufacturing Processes 2		
11:00 Coffee Bread	11:00 Coffee Break with Visit to the Exhibition & Auto Show						
11:45	Materials in Electric Drivetrain		Sustainability 2		Market Requirements in the Plastics Industry		
12:45 Lunch Break with Visit to the Exhibition & Auto Show							
			Mozartsaal (Level 0)				
14:00	Plenary Session						
15:00 Closing Words							
15:15 End of the Congress							

Wednesday, March 26, 2025 | 1st Day of Congress

Mozartsaal (Level 0)



Dipl.-Ing. Daniel Römhild, Head of Development, WIS Kunststoffe GmbH, Breitungen

for POP

Jörg Friedrich, CEO, Car Men GmbH, Glashütten

Wednesday, March 26, 2025 | 1st Day of Congress

12:15	 Pilot test successful: Physically recycled post-consumer recyclate from end-of-life vehicles Extended plastic sorting from end-of-life vehicles Physical recycling as a process for sorted plastic clusters Compounding and component sampling Testing of material and component properties Dr. Martin Schlummer, Business Development Kunststoffrecycling, Fraunhofer IVV, Freising and Jutta Schoberer, Development engineer, Co-author: Philipp Renner, both of AUDI AG, Ingolstadt 	 Compound utilizing core-back foam injection molding for automotive interior parts process simplification and recyclability improvement Thermoplastic elastomer for automotive interior skin parts Molding skin and foam layer together by core-back foam injection molding Recyclability improvement Satoshi Kamimura, Technical Service Engineer, Thermoplastic Elastomer, Asahi Kasei Europe GmbH, Düsseldorf 	 Safety glass due to TPE! Exterior automotive covers made of plastics Weatherability, scratch resistance, durability Replaced with glass Required homologations and compliances DiplIng. Erwin Butsch, Director Research & Development Automotive Glass, Technical development
12:45	 The concepts of a holistic product sustainability and its trade-offs and a circular economy prediction model Trade-off assessment of certain requirements from the upcoming End of Life Vehicle Regulation Examples: Substances of Concern and Recycled Plastic Content Presentation of possible solutions to overcome these trade-offs Introduction of a Circular Economy prediction Model DiplIng. Timo Unger, Senior Manager Sustainability & Environmental Affairs, Regulation, Vehicle Safety & Environment, Hyundai Motor Europe Technical Center, Rüsselsheim 	 New sustainable light-weight design possibilities via foam extrusion of expanded polypropylene beads (ePP) ePP foam extrusion process Investigated materials and results New opportunities for ePP in automotive applications Sustainable solutions Alberto Ballesteros Agudo, PhD, Product Line Manager, Sales and R&D, Sulzer Chemtech AG, Winterthur, Switzerland and DiplIng. Georg Grestenberger, Senior Application Marketing Manager – Interior, Borealis Polyolefine GmbH, Linz, Austria 	 Automation – One pillar of a sustainable, high quality interior Potential of automation in material development Automated material test for interior surfaces Challenges with the use of cobots Hagen Meyer, M. Sc., PhD student and Dr. Thomas Taddigs, Subdivision Manager, both of Body system – Interior and Surface
13:15	Lunch Break with Visit to the Exhibition & Auto Show	,	

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Mozartsaal (Level 0)
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Musensaal (Level 1)

Lightweight Design 1

Moderation: Roger Kaufmann, GK Concept GmbH



to the road

- Motivation adaptive aerodynamics at Porsche
- Feature and design of the adaptive front diffusors using the example of:
- Porsche 911 GT3 RS Target: Performance on racetrack
- Porsche 911 GTS Target: Performance and efficiency for daily routine

Dipl.-Ing. (FH) Stephan Schoell, Development engineer, Development of Body Exterior, Rear and Attachment systems, Dipl.-Ing. (BA) Sebastian Harter, Development engineer, Motorsport Development Bodywork GT road vehicles and Dipl.-Ing. (FH) Christophe Bouvatier, Head of Front/Rear system, Motorsport development Body Super sports car, Co-author: Dipl.-Ing. (FH) Fuat Kayadere, all of Porsche AG. Weissach

15:00 Adaptive front diffusor in the Porsche 911: From the racetrack Sustainable load-adapted components from nonwovens with variable basis weight and functionalization

- Lightweight construction through innovative forming technology
- Implementation of novel nonwovens in serial production
- Monomaterial sandwich structures for enhanced recyclability
- Load optimization through local basis weight reinforcements

Dipl.-Ing. Florian Tautenhain, Development engineer, Biopolymers and natural Fiber Composites Research area, Co-authors: Dr.-Ing. Roman Rinberg, Dipl.-Ing. Marcus Hartenstein, Prof. Dr.-Ing. habil. Lothar Kroll, all of TU Chemnitz

Plastics Electronics Moderation: Dipl.-Ing. Thomas Drescher, Volkswagen AG

Stamitzsaal (Level 1)

Innovative EMI-Shielding plastics: Functional integration enabling weight and cost reduction in the example of a DC-DC converter application

- EMI-shielding plastics as replacement for metals
- Functional integration (EMI, thermal conductivity, assembly steps)
- Light weight design and cost reduction
- EV power module, DC-DC converter

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Dr.-Ing. Julian Heinisch, Application Engineer and Steve Lee, M. Sc., Team Leader Application Engineering, both of LG Chem Europe GmbH, Frankfurt am Main

Wednesday, March 26, 2025 | 1st Day of Congress

15:30 Use of recycled material and passive safety: Components in the bumper of the new Audi A5

- Highly stressed safety-component based on post-industrial recycled material
- Qualification of the recycled material and final part
- Concepts for an effective quality assurance
- Outlook: Demonstration component based on post-consumer recycled material

Dipl.-Ing. Frank Fischer, Material engineer, Surface/material technology, AUDI AG, Ingolstadt, Salvatore Cannavò, B. Eng., Head of Product Development Exterior, SMP Deutschland GmbH, Bötzingen and Dipl.-Ing. (DH) Andreas Benndorf, Senior Business Development Manager/OEM-Manager, PCW GmbH, Eilenburg

Method development for Mapping the Mold Filling Process of thermoplastic molded Parts with continuous Fiber reinforcement and complex Rib structure

- Underride guard in FRP design
- Thermoplastic molding process
- Process simulation
- UD tapes and LFT-D

Dr. Julius Rausch, Development engineer, AUDI AG, Neckarsulm and **Dr. Martin Hohberg**, CEO, SIMUTENCE GmbH, Karlsruhe, Co-authors: Andreas Rau, ElringKlinger AG, Lenningen, Dr. Aaditya Suratkar, Fraunhofer ICT

From ideation to validation – Low-pressure overmolding in ADAS cameras

- Review different automotive application use cases for TMC's Vyloshot grade
- Assessment of the feasibility of low pressure overmolding for automotive ADAS cameras
- Advantages and disadvantages of using an overmolded camera design
- Visualization of the camera design with TMC low pressure molding solution implemented

Oliver Gottschalk, M. Sc., Manager and **Abhishek Sanap, M. Sc.,** Consultant, Co-authors: Michael Reinhold, M. Sc., all of FEV Consulting GmbH, Aachen/Munich, Dipl.-Wirt.-Ing. Johannes Houben, Beyond Materials Corp., Tokyo, Japan

	Mozartsaal (Level 0)	Musensaal (Level 1)	Stamitzsaal (Level 1)	
	Sustainability 1 Moderation: DiplJourn. (FH) Daniel Schröder, Verein Deutscher Ingenieure e. V.	Simulation Moderation: DiplIng. (FH) Hartmut Häberle, MAN Truck & Bus SE	Lightweight Design 2 Moderation: DiplIng. (TH) Werner Jakobs, Ford-Werke GmbH	
17:00	 Uncovering the Material State: Potential of PA66 Fan Modules from End-of-Life Vehicles for Closed-Loop Recycling Recycling of plastics from ELV Engineering plastics Material state after aging PA66 fan modules Tobias Baeyens, M. Sc., PhD student and Dr. Daniel Kugele, Activity Management, Applied Material and Manufacturing Technologies for Metals and Polymers, both of Robert Bosch GmbH, Renningen, Co-authors: Prof. DrIng. Iman Taha, Hochschule Aalen, Prof. DrIng. Frank Henning, Karlsruher Institut für Technologie 	 Enabling Reliable Virtual Prototyping with Digital Material Twins Virtual prototyping Digital material twins Material Appearance Capturing Shorten time-to-market Dr. Tobias Rausch, Business Development Manager Digital Sampling, Global Color & Design, Covestro Deutschland AG, Leverkusen 	Sustainable Innovation: Achieving Net Zero through Function-Oriented Plastic Design, Tool Design, and Process Management - Strongly focused application of Innovation methods - Sustainable Plastic design based on function-oriented Layout - Appropriate technology and tools - Iteratively part-oriented determined Process parameters DiplIng. (FH) Bernd Trinkwalter, Head of Innovation, Innovation management, Motherson DRSC Deutschland GmbH, Kronach- Neuses and Dr. h.c. Stefan Ostwald, Specialist in development of Instrument panel design, Volkswagen AG, Wolfsburg	
7:30	Lignin – Next generation renewable resource for sustainable plastics • Lignin as sustainable resource • Processing – thermoforming and injection moulding • Physical foaming – KU-Fizz • Environmental performance Dr. Lars Jerpdal, Technical Manager, R&D, Scania CV AB, Södertälje, Sweden and Dr. Christopher Carrick, CTO, Lignin Industries AB, Knivsta, Sweden, Co-authors: Andreas Åhrlin, Autoform, Malung, Sweden, Dr. Xinfeng Wei, Royal Institute of Technology, Stockholm, Sweden	 Competitive advantages through smart Al-integrated engineering Al-based development process for Applications in the circular economy Efficiency and resource conservation using examples from the automotive sector DiplIng. Wolfgang Pelzer, CEO and DiplIng. Ulf Seefeldt, Business Development Manager, both of M.TEC ENGINEERING GmbH, Herzogenrath 	Ultrasound based measurement of mechanical properties of continuous fiber reinforced thermoplastic laminates • Fiber reinforced plastics/FRP • Fiber matrix adhesion • Non-destructive Testing • Organo-sheets Prof. DrIng. Elmar Moritzner, University Professor/Chair holder and Philipp Brandes, M. Sc., Research associate, both of Kunststof technik Paderborn (KTP) – Paderborn University, Co-authors: DrIng. Leander Claes, Prof. DrIng. Bernd Henning, both of Elektronische Messtechnik (EMT) – Paderborn University	

All participants are cordially invited to a communicative drink with buffet. Discuss the results of the first day of the event with you professional colleagues and make new contacts. We cordially invite you to join us and look forward to welcoming you there!

Thursday, March 27, 2025 | 2nd Day of Congress

	Mozartsaal (Level 0)	Musensaal (Level 1) Stamitzsaal (Level 1)	
	Recyclates Moderation: Robert Someschan, Ford-Werke GmbH	Materials Moderation: Jochen Hardt, Covestro Deutschland AG	Manufacturing Processes 2 Moderation: DiplIng. (FH) Hartmut Häberle, MAN Truck & Bus SE
09:00	 R5CYCLED POLYMERS - The R5VOLUTION How R5 fits into an overall RENAULT'S ECO-DESIGN approach How will R5 and its successors respond to the future European regulations How R5 is meeting these customers' new environmental expectations Dr. Gerard Liraut, Expert for Technical Polymers, Engineering Department, Co-author: Gabrielle Gauge, both of Renault Group, Guyancourt, France 	 Tier 1 Supplier Role in Boosting PCR Integration in Automotive Injection-Molded Products for a Circular Economy Product Innovation/Emission stability Recycled Materials & Recycled Products for Automotive Sustainable Manufacturing/OEM's requirements/Supply Chain Performance Circular Economy/End of Life Vehicles/Environmental Benefits DiplIng. Mariusz Nowak, Project Manager Research & Innovation and DiplIng. Antonio Avides, Key Account Manager, Sales, both of Simoldes Plastics, Wolfsburg/Barcelona, Spain 	 BIOPOLYMER PBS – the foreseeable Future of Plastics: From Vision to concrete Applications Introduction – bio-based and biodegradable – specifically Biopolymer PBS Presentation of the RUBIO project – with AR, integrated system, complete value chain Exipnos GmbH Biopolymer Compounding – BioCelain series Application examples Possibilities in Automotive engineering – specifically comparison of PP T20 with BioCerlain A 120 Peter Putsch, CEO and Max Putsch, Sales Manager, both of Exipnos GmbH, Merseburg
09:30	A contribution to sustainable development – the use of recyclates in highly loaded applications • Recycling plastics • Longtime Durability • Additives and Stabilizers • Fatigue of Polymers Dr. rer. sust. Dominik Spancken, Research associate, Plastics processing and Component design, Co-authors: Julia Decker, M. Eng., Dr. rer. nat. Elke Metzsch-Zilligen, all of Fraunhofer LBF, Darmstadt	Sustainability and Circular Economy – Applying new sustainable materials into plastic parts – upscaling challenges • Recycled content • Biobased materials • Carbon reduced application • Sustainable design Yann Schnerb, MBA, Vice President of Sales Europe, UBQ Materials Ltd., Bergen op Zoom, The Netherlands	 TPE as recyclable alternative for sealings and haptic parts Replacement of cross-linked foams and elastomers Compatibility of TPE in the PP waste stream TPE from PCR sources Kathrin Heilmann, B. Eng., Product Manager, Co-authors: Florian Dresel, Dr. Thomas Köppl, all of Hexpol TPE GmbH, Lichtenfels
10:00	Risk potential use of Post-consumer recyclates – what the Automotive industry can learn from the Food and Hygiene products industry • Contaminants in raw Materials and finished Products • Possible sources • Identification of critical points in production • The GALAB SOI program of the food and hygiene industry Hans Wunsch, CEO, GALAB Laboratories GmbH, Hamburg and Martin Doedt, B. Sc., Authorised representative, Testing laboratory, KIMW Prüf- und Analyse GmbH, Lüdenscheid	 TPE Foam: more than just a "gapfiller" Material properties TPE foam vs. PUR Acoustic requirements of Wire harness dashwall wall grommets Material qualification release of new Materials Cooperation with OEM's to establish New innovative solutions Matthias Dietz, Director Business Development and Technology, Noise Vibration Harshness and Sealing, Woco Industrietechnik GmbH, Bad Soden-Salmünster 	 Intelligent Process Monitoring to reduce rejects in Thermoplastic injection molding using specific, Automated anomaly detection Assistance systems in Injection molding Automated Anomaly detection Downtime reduction Yannik Lockner, CTO, Co-authors: DiplIng. Mauritius Schmitz, both of OSPHIM GmbH, Aachen, Jan Wolters, Institute for Plastics Processing (IKV) in Industry and Craft at RWTH Aachen University
10:30	 Reliable component quality despite PCR recycled materials General conditions recycling ratio/end-of-life vehicle directive Characterization of PCR-materials during processing Using KI for process control Prof. DrIng. Sascha Englich, Schwarz Plastic Solutions GmbH, Gilching, Co-authors: DrIng. Alexander Chaloupka, DrIng. Natalie Rudolph, both of NETZSCH Process Intelligence GmbH, Selb 	 Reduction of greenhouse gas emissions through the use of recyclates with GSG technology Recyclate quantities and European framework conditions Material properties and characteristics Reducing GHG-emissions starts with design 4 Recycling Success stories Frank Schockemöhle, Head of Technology Management, Pöppelmann Kunststoff Technik, Lohne 	Closing the Loop for Automotive Plastics – Sustainable Paint-Removal Technology to Realize Car-to-Car Recycling with High-Quality PCR • Recovery Technologies • Mechanical treatment of Waste-plastic, paint removal • ELV directive • "Smart sustainability" solutions DiplIng. Martin Klocke, Vice General Manager Automotive Busi- ness Europe and Nicole Thormann, Technical Marketing Manager, both of KINGFA Sci. & Tech. (Europe) GmbH, Wiesbaden/Guangzhou, China, Co-author: Li Cong, M. Sc., KINGFA Environmental Sci. & Tech. Spain

11:00 🚱

Thursday, March 27, 2025 | 2nd Day of Congress

Mozartsaal (Level 0)

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Materials in Electric Drivetrain Moderation: Dipl.-Ing. Fabian Groh, AUDI AG

#### 11:45 New Bonding Technology Opens New Technical

# **Opportunities for Hybrid Power Electronic Housings**

- Reduce costs of EV applications
- Improve Manufacturing efficiency

Incorporate more function through new Design options
 Dipl.-Ing. Andre Lambrecht, Development engineer, Application
 Development Engineering Team, Celanese AG, Sulzbach and
 Lukas Malfatti, Product Manager Propulsion Global, Röchling
 Automotive srl, Laives, Italy

## 12:15 Sustainable, new and useful: Plastic Battery Housing Pentatonic Green +

- Thermoplastic battery enclosure
- Mechanical and physical recycling
- Design and Manufacturing for recycled Materials

**Dr.-Ing. Moritz Lipperheide,** Director Research, Co-authors: Jürgen Pfaff, Sophie Louis, all of Kautex Textron GmbH & Co.KG, Bonn

#### Musensaal (Level 1)

Driving Sustainability with Simulation - Mercedes-Benz

• Correlation of Simulation and Part test (different PP GF30)

Under the Hood, Borealis Polymere GmbH, Burghausen and

Dipl.-Ing. (BA) Klaus Heldmaier. Development engineer.

Development Exterior, Mercedes-Benz Group, Sindelfingen,

• Sustainability with savings in weight and CO₂ emission

Simulation driven engineering and Part design

Co-author: Robert Raulf, HBPO GmbH, Lippstadt

Safety relevant crash structure with PP compounds

frontend crash absorber structure with Borealis Fibremod PP

Tobias Epple, M. Sc., Application Marketing Manager – Automotive

Sustainability 2

Moderation: Dr. Christian Bornhorst, Volkswagen AG



Market Requirements in the Plastics Industry

Moderation: Klaus Münker, Magna Exteriors GmbH

Stamitzsaal (Level 1)

# Implications of increasingly diverse markets & customer requests on a globally active automotive tier 1

- Evaluation of the different Market and Customer requirements from different perspectives using individual Examples
- Summary and Abstraction of the examples based on the VUCA concept
- Implications for globally active Companies & recommendations for Action

Konstantin Schmidt, M. Sc., Manager Advanced Development Europe, JOYSONQUIN Automotive Systems GmbH, Rutesheim

# Use of Recyclate in painted Radiator grills for the Audi A3 by implementing a "Post-industrial closed loop"-concept

- Requirements/gualification at material and component level
- Recycling concept for paint-stripped PC/PET radiator grills
- Concepts for quality assurance

Dipl.-Ing. (FH) Wolfgang Dorfner, Development engineer, Develop-

¹ ment of Exterior add-on parts, AUDI AG, Ingolstadt, Werner Meschitz, Development engineer, Innovation, Diepersdorf Plastic Manufacturing GmbH, Leinburg and Christoph Metzker, Account Manager, MOCOM Compounds GmbH & Co KG, Hamburg

## Method for determining the Cost impact of Tolerances on Plastic components – What does precision cost? How much does Precision cost in the Injection Moulding Process?

- Cost reduction through appropriate Tolerances
- Avoidable Production costs in the Injection Moulding Process
- Function-orientated tolerancing
- Mould sampling & Approval

Anja Falke, M. Sc., PhD student, Friedrich-Alexander Universität Erlangen-Nürnberg (FAU)

12:45 🙀

# Lunch Break with Visit to the Exhibition & Auto Show

Mozartsaal (Level 0)



# Plenary Session

Moderation: Dipl.-Ing. Thomas Drescher, Volkswagen AG

# 14:00 Mobile injection-molding opens up new opportunities in Cable customization and Assembly technology

- Mobile injection-molding Technology
- Automation in Cable customization
- Assembly-molding of complex hybrid profiles

Dr.-Ing. Michael Krahl, CEO/Co-Founder and Dr.-Ing. Michael Stegelmann, MBA, CEO/Co-Founder, both of ANYBRID GmbH, Dresden

# 14:30 Challenges and Assumptions in Developing Closed Loop Automotive Materials

- Sustainability
- Development of materials
- Post consumer and closed loop recyclate
- Reduction of CO₂ Footprint

Dr. Tereza Silovská, Development Engineer and Dalibor Kopáč, Ph.D., Coordinator of Material Development, both of Škoda Auto a.s., Mladá Boleslav, Czech Republic

# 15:00 Closing Words

# 15:15 End of the Congress

# **Exhibition & Sponsoring**

### Marketplace Plastics in Automotive Engineering

The trade show accompanying our PIAE congress has become one of its highlights. More than 70 national and international exhibitors display their innovative plastics solutions. The exhibition is one of the largest in the field of automotive plastics!

# Information

If you would like to exhibit or sponsor at this VDI congress please contact:

### Anika Wissing

Project consultant Exhibitions & Sponsoring Phone: +49 211 6214-8635 | Email: wissing@vdi.de

You would like to present your car model or concept study at the Autoshow during the show? Please contact:

# Elena Langenfels

Project consultant Exhibitions & Sponsoring Phone: +49 211 6214-8662 | Email: langenfels@vdi.de





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### Exhibitors PIAE 2025 (as at March 2025)

AKRO-PLASTIC GmbH almaak international GmbH ANYBRID GmbH Asahi Kasei Europe GmbH Aurora Kunststoffe GmbH Avient Luxembourg S. à. r. l. Bole Intelligent Machinery CO., LTD Borealis AG Brain of Material AG BYK-Chemie GmbH Cannon Deutschland GmbH Chemische Fabrik Budenheim KG CONSTAB Polyofin Additives GmbH Covestro Deutschland GmbH Dow Europe GmbH ELIX Polymers S.L. ENGEL AUSTRIA GmbH Ensinger GmbH Envalior Deutschland GmbH Epsan Deutschland GmbH Evonik Industries AG Gear Motion GmbH Geba Kunststoffcompounds GmbH GKG Goldmann Kunststoffe GmbH & Co. KG GRAFE GmbH & Co. KG hapego plastics GmbH Hoffmann + Voss GmbH JENOPTIK Automatisierungstechnik GmbH Kautex Textron GmbH & Co. KG

KINGFA Sci. & Tech. (Europe) GmbH LG Chem Europe GmbH LOTTE Chemical Deutschland GmbH MF SOFTWARE GmbH MOCOM Compounds GmbH & Co. KG PCW GmbH Polykemi AB Polyram plastic industries LTD Pöppelmann Kunststoff-Technik GmbH & Co. KG PRET Europe GmbH Profol Greiz GmbH Propex Furnishing Solutions GmbH & Co. KG RadiciGroup High Performance Polymers Ravago Manufacturing Europe ROMIRA GmbH RÜHL PUROMER GmbH SHPP Germany GmbH Sirmax SPA SORTCO GmbH & Co. KG Sumika Polymer Compounds Europe Techniplas Schwäbisch Gmünd GmbH TechnoCompound GmbH Toray Research Center, Inc. TotalEnergies Refining & Chemicals SA Votteler Lackfabrik & Co. KG Wanhua Chemical Group., Ltd. WIS Kunststoffe GmbH

### Autoshow

Within the scope of the Autoshow, where current models and concept studies of the car manufacturers are shown, you will have the opportunity to study the plastic components directly on the following vehicles onsite: BMW Vision neue Klasse. Porsche 911 GT3 RS. Porsche 911 GTS. Porsche Cayenne Turbo GT, MAN SZM, Audi A5 Limousine, Audi S6 Avant e-tron





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# **General information**

#### **Congress Chairman**



Supporting panel of experts







# 1. L to R

Jochen Hardt, Covestro Deutschland AG, Leverkusen Roger Kaufmann, GK Concept GmbH, Dresden Klaus Münker, Magna Exteriors GmbH, Altbach

Dipl.-Ing. Thomas Drescher, Head of Pre-development and

Vehicle assessment, Body system, Volkswagen AG, Wolfsburg

# 2. L to R

Stefan Schierl, KraussMaffei Technologies GmbH, Parsdorf Prof. Martin Würtele, Technische Hochschule Rosenheim

# **Technical Sponsor**

### 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

#### **Program committee**



# 1. L to R

Pascal Bertens, DAF Trucks N. V., Eindhoven, The Netherlands Dr. Christian Bornhorst, Volkswagen AG, Wolfsburg Dipl.-Ing. Fabian Groh, AUDI AG, Neckarsulm Jürgen Gugg, BMW AG, Munich Dr. Steffen Hölzel, Dr. Ing. h.c.F. Porsche AG, Weissach Dipl.-Ing. (TH) Werner Jakobs, Ford-Werke GmbH, Cologne

# 2. L to R

Dr. Gérard Liraut, Renault Group, Guyancourt Cedex, France Dr. Jenni Meiners, Opel Automobile GmbH, Rüsselsheim Dipl.-Ing. Wolfgang Möller, Volkswagen Osnabrück GmbH Stefan Röhl, MAN Truck & Bus AG, Munich Dipl.-Journ. (FH) Daniel Schröder, Verein Deutscher Ingenieure e. V., Düsseldorf Robert Someschan, Ford-Werke GmbH, Cologne

#### Medienpartner









# Magazine

**EVENT-APP** Available in your App store by begin of March 2025!





# International Congress **PIAE 2025**



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Accommodation:
A limited number of rooms are available in the Dorint Kongresshotel Mannheim (Phone +49 (0) 621 1251-0,
Email: info.mannheim@dorint.com) at a special rate with mention of the keyword "VDI 2025". Please book your accommoda
Other hotel bookings can be made through our free booking service www.vdi-wissensforum.de/hrs.

Services: The scope of services includes the digital event documentation, beverages during breaks, lunch and the evening reception. The event documentation are available online. Access data will be sent electronically to the participants prior to the event. For more information, see our terms and conditions.

Congress office: Congress Center Rosengarten, Foyer

Opening hours PIAE: Wednesday, March 26, 2025 – 08:00 to end of program Thursday, March 27, 2025 – 08:00 to 15:15

Congress languages: German and English (with simultaneous interpreting of the lectures German » English)

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