



**CALL FOR
PAPERS**

**Interior & Exterior | Materials & Surfaces |
Sustainability & Circular Economy |
Digitalization & AI**



**INTERNATIONAL CONGRESS FOR PLASTICS
IN AUTOMOTIVE ENGINEERING
MARCH 17-18, 2027, BADEN-BADEN, GERMANY**

KEY TOPICS 2027

- Plastic Components for Interior and Exterior
- Circular Use of Materials
- Use of AI
- Production, Manufacturing & Process Technology
- Innovative Surfaces
- Integration of E/E Systems into Plastic Components
- Lightweight Engineering Solutions
- Plastic Components in the Defense Sector

**Hand in your
abstract by
September 11,
2026**



**Book now:
www.piae-europe.com**

Dear friends and colleagues of PIAE,

following a thoroughly successful PIAE 2026 in Baden-Baden, we are now turning our attention to the future. In 2027, we once again aim to address and discuss the key developments shaping our industry – topics that influence our day-to-day work and will play a decisive role in the future of automotive engineering.

The demands placed on plastic solutions remain high: sustainability, efficiency, and technological innovation are no longer competing priorities but must be considered together. Circular material concepts, the increased use of recycled materials, and sustainable material solutions are just as much in focus as the opportunities offered by artificial intelligence and digital technologies – from process optimization and quality assurance to predictive maintenance.

There is also significant momentum in production and manufacturing technologies. Additive manufacturing processes, digital twins, and smart factory concepts are increasingly finding their way into industrial practice. These developments are complemented by advances in the functional integration of E/E systems, innovative surface technologies, and lightweight solutions based on high-performance materials and fiber-reinforced structures. In addition, technology transfer between

automotive and defense applications is gaining further importance, opening up exciting new perspectives for materials and manufacturing technologies.

Against this backdrop, PIAE will continue to serve as the central meeting point for experts across the entire automotive plastics value chain. As the program committee, we warmly invite you to actively contribute to shaping the 2027 conference program.

What is currently driving your developments? What solutions are you working on for sustainable materials, functional integration, or efficient production processes? And how are you leveraging AI to further enhance quality, resource efficiency, and economic performance?

We invite you to submit your presentation – we look forward to your expertise, your insights, and the opportunity for personal exchange with you on site.

**Best regards
Thomas Drescher**

Program Committee



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DAF Trucks N. V., Eindhoven,
The Netherlands



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GK Concept GmbH, Dresden



Prof. Martin Würtele,
Technische Hochschule
Rosenheim

GENERAL INFORMATION

Call for papers

Are you an expert in one of the fields listed under key topics? If so, we ask you to contribute actively to the success of this congress with a lecture.

Please submit an abstract not exceeding one A4 page by **September 11, 2026**. You can register with your contribution online at www.piae-europe.com.

The abstract must contain (one A4 page maximum):

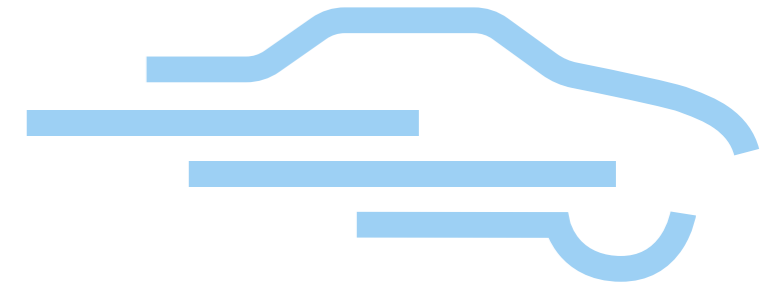
- The descriptive title of your paper
- Information about the speaker and no more than 2 co-authors (title, first name, last name, position in company, department, email, phone)
- An indication of contents covering the main points of your paper
- A statement as to the degree of innovation
- Classification by focus topic
- Disclosure of own prior publications on the topic

In the interest of all participants, we ask you to refrain from straightforward product presentations. The focus of the congress should be on the exchange of information and ideas regarding the latest solutions, products, developments and technologies. The program committee will decide on the acceptance and classification of a paper in the congress program.



For more information on tips & tricks (e.g. evaluation criteria) please visit the Call for Papers page at www.piae-europe.com

Key Topics 2027



1. Plastic Components for Interior and Exterior

- Thermoplastics
- Thermosets
- Elastomers
- Foams

2. Circular Use of Materials

- Implementation of the ELV Directive (e.g. recycled content quotas, dismantling)
- Economical use of recyclates
- Circular design of components
- Use of sustainable compounds and recyclates
- Use of renewable raw materials
- Recycling processes and material recovery

3. Use of AI

- Process optimization to minimize scrap, cycle time, and energy consumption
- Quality assurance through camera-based inspection
- Predictive maintenance to prevent failures and anticipate maintenance needs

4. Production, Manufacturing & Process Technology

- Simulation and method development (e.g. digital twin)
- Tooling technology for plastic components
- Additive manufacturing processes
- Production in the smart factory

5. Innovative Surfaces

- Customization of plastic components
- Mold-in-color
- Design variation development
- Modularization
- Paint substitution processes
- Imitation of electroplated surfaces
- Smart soft-touch surfaces, textile surfaces

6. Integration of E/E Systems into Plastic Components

- Integration of sensors, actuators, antennas, conductive tracks, LEDs, etc.
- Light integration
- Display design

7. Lightweight Engineering Solutions

- High-performance materials
- Material substitution
- Hybrid components
- Fiber-reinforced composites

8. Plastic Components in the Defense Sector

- Technology transfer between defense and automotive
- Defense-specific requirements
- Material and manufacturing solutions

Deadlines

Deadline for abstracts:

September 11, 2026

Notification of authors:

Beginning of October 2026

GENERAL INFORMATION

General information

The duration of lectures will be approximately 20 minutes followed by a discussion of about 5 to 10 minutes. .

The presentation slides must be in **English**.

The oral presentation can be given in **German or English**. There will be simultaneous translation from German into English language.

Costs

Speakers participate in the conference free of charge (up to two speakers per presentation). Travel expenses will not be refunded.

Super Early Bird until September 30, 2026: EUR 1.490 plus VAT

Early Bird until December 31, 2026: EUR 1.590 plus VAT

Regular participation fee: 1.690 Euro plus VAT

Venue:

Kongresshaus Baden-Baden, Augustaplatz 10, 76530 Baden-Baden

Accommodation:

A limited number of rooms have been reserved for congress participants. Please visit www.piae-europe.com for further information.

Technical sponsor

the VDI Society for Vehicle and Traffic Systems Technology

With its eight technical divisions, the VDI Society for Vehicle and Traffic Systems Technology forms a home for engineers of various disciplines in the field associated with the transport modes of road, rail, air and water. In an active interaction with the working groups of the VDI district associations, students and young engineers as well as other VDI societies, the VDI Society for Vehicle and Traffic Systems Technology is networked with other cooperation partners both nationally and internationally.

For more information, please visit: www.vdi.de/fvt



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Exhibition & Sponsoring

The PIAE exhibition is more than just an accompanying program – it is the centerpiece and meeting hub of the event. It shows where the plastics industry is heading and creates the ideal environment for genuine networking and in-depth, peer level exchange.

Around 70 national and international exhibitors showcase what is already making tomorrow possible today: innovative materials and additives, smart processing technologies, precision components, and complete system solutions along the automotive value chain. This makes the exhibition one of the largest industry gatherings for plastics in the automotive sector.

Who should be exhibitor?

Manufacturers, suppliers and service providers of the automotive industry covering the following areas:

- Plastic materials
- Compounds, additives and raw materials
- Lightweight design and structural components
- Interior and exterior plastic applications
- Surface technologies and finishing
- Processing technologies
- Tooling and mold making
- Recycling, circular economy and sustainability solutions
- Simulation, testing and validation
- Joining and assembly technologies
- Design and engineering services
- Machinery and production systems
- Start-ups and innovation providers

Your opportunity to participate

Take advantage of the event to showcase your company and innovations by becoming an exhibitor or sponsor. You can also present your vehicle model or concept study at the Autosalon.

You will benefit from a high level of expertise, a precisely targeted audience and direct industry contacts. Would you like your company to participate?

Please note:
If your registration as exhibitor or sponsor is received by October 15, 2026 your company name will be printed in the exhibitors' list as part of the program. This flyer will be sent out to some 10,000 selected addresses in Germany and abroad!

PLEASE CONTACT



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Previous Sponsors & Exhibitors



PIAE

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Wissensforum

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