

Call for Papers

International Congress

PIAE 2021

Submit your paper under the following focus topics:

- **Component and function integration in the interior and exterior**
- **Recycling of plastics**
- **Plastics and electronics**
- **Design of plastic components**
- **Plastics in the engine and drive train**

Congress Chairman

Dipl.-Ing. Thomas Drescher, Head of Pre-development and Vehicle assessment, Structure development, Volkswagen AG, Wolfsburg

Submit your paper now!

Be a speaker!

Submissions deadline:
September 18, 2020

+ Exhibition

+ World Cafés

+ Workshops

+ Panel discussion

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General Information

The time allotted to a presentation is **20–25** minutes, followed by **5–10** minutes for discussion of your contribution with the audience. The presentations can be given in German or English. There will be simultaneous translation from German into English language.

Cost

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

Any more questions?

Daniel Schröder

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Congress Chairman

Dipl.-Ing. Thomas Drescher, Volkswagen AG, Wolfsburg

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Panel of Experts

Dr. Dipl.-Phys. Eberhard Duffner, ARBURG GmbH + Co. KG, Loßburg

Jochen Hardt, Covestro Deutschland AG, Leverkusen

Roger Kaufmann, GK Concept GmbH, Dresden

Klaus Münker, Magna Exteriors GmbH, Altbach

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www.vdi.de/gme

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Independent experts will then review your contribution in a double-blind-procedure following a preliminary review by the publishers.

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Submit your
paper now!

Call for Papers

Please submit an abstract by **September 18, 2020** in the scope of max. one DIN A4 page. On the website www.piae-europe.com you can enroll with your contribution.

Dates

- Deadline for abstracts: **September 18, 2020**
- Notification of authors: **beginning of October 2020**
- Submission of manuscripts: **start of December 2020**

The abstract must contain:

- 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, address, telephone-number, email)
- 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

Focus topics

We ask for presentations to be submitted from the following topic areas:

1. Future challenges for plastic applications in vehicle construction

- 1.1 Mobility concepts in the age of digitization
- 1.2 Design trends for interior and exterior
- 1.3 Requirements regarding the use of plastics in Asia and North America

2. Component and function integration in the interior and exterior

- 2.1 Applications for body and attachments
- 2.2 Solutions for the interior (dashboard, center console, door trim, etc.)
- 2.3 Integration of HMI (displays, HUD, controls, etc.)

3. Surface design in the interior and exterior

- 3.1 Material solutions for holistic hygiene concepts
- 3.2 Functional surfaces
- 3.3 Film technology
- 3.4 Decoration technologies
- 3.5 Painting plastics
- 3.6 Use of textiles

4. Plastics for optical technologies and lighting applications

- 4.1 Integration of ambient lighting in the interior
- 4.2 Vehicle lighting, signal lights
- 4.3 Plastic lenses and reflectors

5. Recycling of plastics

- 5.1 Regulations and EU legislation
- 5.2 Closed-loop economy
- 5.3 Technical methods
- 5.4 Application examples
- 5.5 Sustainability (recycling, CO₂ balance, etc.)

6. Innovative material development

- 6.1 Plastic-metal hybrids
- 6.2 Self-healing materials
- 6.3 High-temperature plastics
- 6.4 Bio-polymers
- 6.5 Elastomers

7. Plastics and electronics

- 7.1 Sensor integration and sensor-friendly plastics
- 7.2 Printed electronics
- 7.3 Displays and display integration
- 7.4 Antenna integration for V2X
- 7.5 Plugs and connectors

8. Manufacturing technologies

- 8.1 Process optimization and quality assurance
- 8.2 Process-reliable manufacturing
- 8.3 Cost optimization
- 8.4 3D printing

9. Joining plastics in the vehicle

- 9.1 Innovative adhesive technology
- 9.2 New welding processes
- 9.3 Mechanical connection technology
- 9.4 Quality assurance methods

10. Design of plastic components

- 10.1 Plastics in the chassis
- 10.2 Plastics in the body
- 10.3 Plastics in the interior
- 10.4 Plastic simulation, material characterization and its application
- 10.5 Optimization of crash concepts
- 10.6 Aftermarket parts: car styling and individualization

11. Plastics in the engine and drive train

- 11.1 Plastic applications for alternative drives
- 11.2 Battery housing (EMC, thermal management, crash management)
- 11.3 Tank systems for alternative drives (hydrogen)

Exhibition & sponsorship

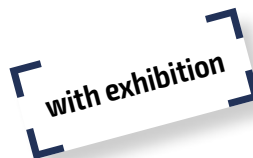
Before, during and after the event we offer you a wide range of opportunities for 'flying the flag' around the congress and getting into conversation with your potential clients. For information about exhibition opportunities and individual sponsorship possibilities, please contact:



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You need help?
Please contact us!

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✓ Please register for (Price per Person plus VAT):

International Congress PIAE 2021 March 17 – 18, 2021, Mannheim (01TA701021)		
<input type="checkbox"/> Early Bird until September 30, 2020	<input type="checkbox"/> Early Bird until November 30, 2020	<input type="checkbox"/> Regular participation fee
EUR 1.220,-	EUR 1.320,-	EUR 1.420,-

www

- I will be attending the **Automotive Night** on March 16, 2021 (8 p.m.) at a price of EUR 50,-
- I will be attending the **PIAE Afterparty** on March 17, 2021 without extra cost – **limited to 800 participants** –
- I am interested in **exhibition and sponsorship opportunities**

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

Venues:
Congress: Congress Center Rosengarten, Rosengartenplatz 2, 68161 Mannheim, www.mcon-mannheim.de
Automotive Night: Ella & Louis Music & Bar (Level -1 of the Congress Center Rosengarten), Rosengartenplatz 2, 68161 Mannheim
PIAE Afterparty: Festhalle Baumhain (inside Luisenpark), Gartenschauweg 12, 68165 Mannheim
Room booking
 A limited number of rooms are available to you at the Dorint Kongresshotel in Mannheim (Phone: +49 (0) 621/1251-0, Email: info.mannheim@dorint.com) under the keyword "VDI 2021". Please book your room early.

More Hotels close to the congress venue may be found via our HRS service
www.vdi-wissensforum.de/hrs



Services: The scope of services includes digital event documentation, break refreshments, lunch and the evening event on the first day of congress. The event documentation is available online. Access data will be delivered electronically to participants prior to the event. You can find further information in our general terms and conditions.

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