



**AUTO
MOTIVE
CIRCLE**

SEP 30 – OCT 1

SUSTAINABILITY 2025

AGENDA

TUESDAY | SEPTEMBER 30

7:00 AM Conference Registration

8:15 AM Welcome and Conference Introduction
Dr. Dirk Meine, Automotive Circle, DE

KEYNOTE: MATERIAL SUPPLY

8:30 AM Advancing sustainable supply and traceability in the raw materials sector
Dr. Laurence Lamm, EIT RawMaterials, FR

9:15 AM ADVANCES IN ALUMINIUM CIRCULARITY
| short presentations followed by joint interactive Q&A session |

Aluminium alloys for structural castings with higher post-consumer scrap content

Dr. Stig Tjøtta, Hydro Aluminium, NO; Dr. Marcel Pfitzer, Mercedes-Benz Cars AG, DE

Increasing recycled metal content: the fastest, simplest, and most energy-efficient way to lower the carbon footprint of aluminium automotive body sheets

Olivier Rebuffet, Constellium, FR

Customer Centric low carbon aluminum FRP product industrialization through Carbon Accounting Methodology —Enabling Aluminum Industry Decarbonization
Alison Lee, Novelis, Inc., US

10:15 AM Meet the Speakers | Exhibition | Coffee and contacts

POST-CONSUMER STEEL CIRCULARITY

11:00 AM Closing the Loop: Integrating the Scrap Value Chain for Sustainable Steel
David Busstra, Tata Steel Nederland, NL

11:30 AM Impactful collaboration in the circular economy: Implementing decarbonized steel
Simon Buckingham, Volvo Car Company, SE;
Jonas Adolfsson, SSAB, SE

12:00 PM RECYCLING STRATEGIES

| short presentations followed by joint interactive Q&A session |

A new R-strategy for metallic cycles

Markus Werner, Fraunhofer Institute for Machine Tools and Forming Technology (IWU), DE

Possible future strategy of automobile production – potential of reusing automotive component

Dr. Frank Riedel, Fraunhofer Institute for Machine Tools and Forming Technology (IWU), DE; Eckart Lippmann, a.i.m. all in metal GmbH, DE

12:45 PM Lunch Break

RECYCLING STRATEGIES | continued

2:00 PM tba
Benjamin Georgin, Toyota Europe, BE

KEEPING TRACK

2:30 PM Tracking the carbon footprint of our parts on the road to the Net Zero Car
Inés Rodríguez, Gestamp, ES

3:00 PM Life cycle engineering-platform for sustainable car body development
Zi Jun Lee, Fraunhofer IST, DE

3:30 PM Meet the Speakers | Exhibition | Coffee and contacts

JOINT SESSION WITH THE AUTOMOTIVE CIRCLE CONFERENCE “SMART PRODUCTION”

4:15 PM Data-driven Circular Economy – Digital Twins as Foundation for the Digital Product Passport
Alexander Christ, :em engineering methods AG, DE

4:45 PM AI-powered robotics: Driving efficiency and ROI through autonomous inspection
Roger Herbert, Caleb Sylvester, Boston Dynamics, US

5:30 PM Get-Together: Meet the speakers

7:00 PM Networking Dinner

* All times in CET (UTC+1)
Conference program is subject to change
Status as of: September 9, 2025

SUSTAINABILITY IN PRODUCT AND PRODUCTION ENGINEERING 2025

CONFERENCE VENUE:

Hotel DOLCE Bad Nauheim
Elvis-Presley-Platz 1 | DE-61231 Bad Nauheim
www.dolcebadnauheim.com

YOUR CONTACT:

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AGENDA



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SUSTAINABILITY 2025

WEDNESDAY | OCTOBER 1

KEYNOTE: MATERIAL CIRCULARITY

- 8:30 AM** **Material Cycle Diagrams and definition of terms – an approach of the VDA to a common understanding of sustainable materials along the entire value chain**
Janina Nizol, BMW Group; Frank Fischer, AUDI AG; Peter Weidinger, Brose Fahrzeugteile SE & Co. KG; DE

PLASTICS CIRCULARITY: OEM CASE STUDIES

- 9:00 AM** **Challenges in the development of components with end-of-life plastic recyclates**
Simon Hoebel, Dr. Karl-Heinz Füller, Mercedes-Benz AG, DE
- 9:30 AM** **Closed-loop Recycling of Automotive Thermoplastic Parts: Insights from Turning End-of-Life Bumpers into New Bumpers**
Florence Almeida-Bluntzer, SABIC, FR; Laurent Claude, The Future is Neutral, FR
- 10:00 AM** **Use of Recyclate in painted Radiator Grills for the Audi A3 by implementing a “post-industrial closed loop”-concept**
Wolfgang Dorfner, Robert Apfelbeck, Audi AG, DE

10:30 AM **Meet the Speakers | Exhibition | Coffee and contacts**

11:15 AM **PLASTICS CIRCULARITY: SUPPLIER SOLUTIONS** | short presentations followed by joint interactive Q&A session |

Closing the loop: scalable polyester solutions for circular automotive manufacturing

Laura Gottardo, Autoneum Management AG, CH

Car-to-Car plastic recycling

Anja Rother, Covestro AG, DE

Sustainable Elastomer Strategies: Rethinking EPDM for a Circular Automotive Future

Dr. Ali Erkin Kutlu, Standard Profil GmbH, DE

12:15 PM **Lunch Break**

EOL DE-JOINING CONCEPTS

- 1:30 PM** **Circularity for vehicle structures – recycling is just the end**
Stefan Caba, Project ZEvRA / EDAG Engineering GmbH, DE
- 2:00 PM** **Debonding and Rebonding using Alge-base hotmelt structural adhesive in sustainability and resource circulation**
Nao Terasaki, National Institute of Advanced Industrial Science and Technology (AIST), Senging Technology Research Institute (STRI), JP
- 2:30 PM** **Debondable adhesive tapes: Innovations fueling the future of EV batteries**
Gunnar Melles, tesa SE, DE

BEYOND CARBON NEUTRALITY

- 3:00 PM** **A case for biodiversity in automotive development and production**
Thilo Pfletschinger, Coalaxy GmbH, DE; Michael Frik, Mercedes-Benz AG, DE
- 3:30 PM** **Closing Remarks**
Members of the Advisory Board on their congress summary and future outlook in Car Body Part development and production
- 3:45 PM** **Conclusion & Farewell**

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REGISTER NOW

SUSTAINABILITY IN PRODUCT AND PRODUCTION ENGINEERING 2025

CONFERENCE FEE: **Early Bird** 1.995 €, until August 29 | **Standard** 2.195 €, after August 29

All prices plus 19% German VAT

Registration and Terms & Conditions at www.automotive-circle.com