



**AUTO
MOTIVE
CIRCLE**

NOV 28 – 29

SUSTAINABILITY 2023

AGENDA

TUESDAY | NOVEMBER 28

8.15 am Welcome and conference introduction
Dr. Dirk Meine, Automotive Circle, DE

CIRCULAR ECONOMY CONCEPTS

8.30 am Opportunities for circular design in the automotive industry
Mike Herbig, Audi AG, DE

9.00 am The concept of a holistic product sustainability and its trade-offs on the example of PFAS & ELVR
Timo Unger, Hyundai Motor Europe Technical Center GmbH, DE

9.30 am Holistic approach to help automotive industry players reduce their impact on virgin resources
Sophie Schmidlin, CTO, The Future is NEUTRAL / Renault Group, FR

10.00 am Meet the speakers & Coffee and contacts

10.30 am Chances for multi-material body structures in context of sustainability
Denis Schmitz, creengineering (by DeSde), DE;
Benjamin Förster, Fraunhofer Institute for Material and Beam Technology IWS, DE

11.00 am Innovation in automotive recycling – solutions for sorting plastics
Dr. Beate Kummer, Polysecure GmbH, DE

11.30 am Wrought aluminium is ready for automotive circularity
Dr. Fanny Mas, Emmanuel Beslin, C-TEC Constellium Technology Center, FR

12.00 pm Circular open-source light commercial vehicle
Dr. Stefan Caba, EDAG Engineering GmbH, DE
+++ subsequent discussion at the demonstrator on site +++

12.45 pm Meet the speakers & Lunch break

IN FOCUS: DEBONDING ON COMMAND

1.45 pm Debonding on Demand: An enabler for circularity in automotive?
Dr. Nikolai Kolb, Evonik Operations GmbH, DE

2.15 pm Integration of debonding into electric vehicle battery design
Romain Lestrade, Gabriela Bumbu, DuPont Specialty Electronics Materials Switzerland GmbH, CH

BEYOND DEFOSSILISATION

2.45 pm Biodiversity improvements will place increased focus on recycled content
Dr. Linnea Petersson, Volvo Car Corporation, SE

3.15 pm Meet the speakers & Coffee and contacts

DIGITALISATION AND AUTOMATION

4.00 pm Digital twin & circularity: closing the loop from virtual product development to disassembly and beyond
Dr. Robert Dannecker, Tecosim GmbH, DE

4.30 pm Utilizing autonomous robots for inspections, reliability & maintenance
Caleb Sylvester, Roger Hebert, Boston Dynamics Inc., US
+++ incl. live robot demonstration +++

5.30 pm Meet the speakers & Get together

7.00 pm Network Dinner

Joint session with the parallel Automotive Circle conference SMART PRODUCTION!

* All times in CET (UTC+1)
Conference program is subject to change
Status as of: November 3, 2023

REGISTER NOW!
www.automotive-circle.com



SUSTAINABILITY IN PRODUCT AND PRODUCTION ENGINEERING 2023

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

Your contact: Jeanette Timmer
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automotive-circle.com





NOV 28 – 29

SUSTAINABILITY 2023

AGENDA

WEDNESDAY | NOVEMBER 29

FOCUS ON PLASTICS

- 8.00 am KEYNOTE**
Mechanical plastic recycling – perspectives and challenges for the automotive industry
Prof. Dr. Hans-Josef Endres, Institute of Plastics and Circular Economy (ikk), Leibniz University Hannover, DE
- 8.30 am Supporting the automotive industry with more sustainable products**
Rie Kaneko, BASF SE, DE
- 9.00 am Material science solutions enabling automotive circularity**
Zshelyz Lee, Dow Mobility Science, UK
- 10.00 am Meet the speakers & Coffee and contacts**
- 10.45 am Transformation of material development in automotive engineering in the context of sustainability and circular economy**
Dr. Karl-Heinz Füller, Mercedes-Benz AG, DE

MANAGING SCOPE 3

- 11.15 am Decarbonization – Relevant levers along the vehicle life cycle**
Dr. Christoph Haberling, Audi AG, DE
- 11.45 pm Collecting scope 3 product carbon footprint data via the IMDS**
Oliver Schmid, Hyundai Motor Europe Technical Center GmbH, DE
- 12.15 pm How Catena-X enables standardized exchange of Product Carbon Footprint (PCF) data – Aligned rulebook and category rules, validation & verification**
Dr. Ansgar Christ, Robert Bosch GmbH, DE
- 12.45 pm Meet the speakers & Lunch break**

IN FOCUS: PRODUCTION EQUIPMENT

- 1.45 pm Thinking differently in a sustainable way: Equipment as a Service**
Dr. Frank Breitenbach, EDAG Production Solutions GmbH & Co. KG, DE

STEEL SUSTAINABILITY

- 2.15 pm Sustainable steel in production and application**
Amalia Koletti, Thyssenkrupp Steel Europe AG, DE
- 2.45 pm The importance of insetting in the decarbonisation of the steel industry**
David Busstra, Tata Steel IJmuiden, NL
- 3.15 pm Co-existence of linear and circular economy: A scenario that allows decarbonization and responsible use of raw materials**
Ernesto Barceló, Gestamp, ES
- 3.45 pm OEM CONCLUSIONS**
OEM experts summarizing their learnings from the conference and outlining the foreseeable challenges the industry will need to face to achieve their sustainability goals.
- 4.00 pm Farewell address and end of the conference**
Dr. Dirk Meine, Automotive Circle, DE

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SUSTAINABILITY IN PRODUCT AND PRODUCTION ENGINEERING 2023

See you next year at the **Sustainability conference from November 26-27, 2024** in Bad Nauheim again!

Conference fee:
Early Bird 1.995 €, until 28 October | **Standard** 2.095 €, after 28 October
All prices plus 19% German VAT
Registration and Terms & Conditions at www.automotive-circle.com