



**AUTO
MOTIVE
CIRCLE**

NOV 26 – 27

SUSTAINABILITY 2024

AGENDA

TUESDAY | NOVEMBER 26

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

CIRCULARITY BY DESIGN

9.15 am Resilient Product Design – Circular product architectures for future-proof products and companies
Dr. Thilo Pfletschinger, Coalaxy GmbH, DE; Merlin Stölzle, University of Stuttgart, Institute for Engineering Design and Industrial Design (IKTD), DE

9.45 am Leveraging benchmark data to design vehicles for end-of-life
Dr. Miranda Jarvis, A2MAC1 GmbH, DE

10.15 am Meet the Speakers / Exhibition / Coffee and contacts

11.00 am Design for circularity – Impact for today and tomorrow
Elsa Davy, Sebastian Geithner, BMW Group, DE

11.30 am Holistic material development toward automotive circular economy
Yohei Bito, Nissan Motor Co., Ltd., JP

12.00 pm Implementing circularity in the supply chain
Maximilian Rüsseler, Audi AG, DE

12.30 pm Meet the Speakers / Exhibition / Lunch break

SUPPLY CHAIN CIRCULARITY CONCEPTS

1.45 pm Circular economy in the automotive industry: High-quality recycled raw materials as the basis for sustainable and circular car production
Christian Blackert, Machiel Smit, TSR Automotive GmbH, DE

2.15 pm Sourcing in relationship to the ELV
Dominik Händler, MOCOM Compounds GmbH & Co. KG, DE

2.45 pm Transforming automotive sustainability through advanced sorting of metals of end-of-life vehicles
Dr. Leo Bahr, Cleansort GmbH, DE

3.15 pm “From automotive to automotive” – an ecosystem approach for closed loop end-of-life recycling
Michael Hahne, Novelis, CH; Sebastian Smerat, thyssenkrupp Material Services, DE

3.45 pm Meet the Speakers / Exhibition / Coffee and contacts

STEEL: RECYCLING AND/OR DEFOSSILISATION?

4.30 pm Circularity and downcycling in the steel industry
David Busstra, Tata Steel IJmuiden BV, NL

5.00 pm CO₂ reduced steel: Key to sustainable automotive production and a circular economy
Fabian Botz, thyssenkrupp Steel Europe AG, DE

5.30 pm Net-zero automotive steel: Fact or fiction
Prof. Hardy Mohrbacher, Niobelcon bv, BE

6.00 pm Meet the Speakers / Exhibition / Get together

7.00 pm Networking Dinner

* All times in CET (UTC+1)
Conference program is subject to change
Status as of: November 15, 2024

SUSTAINABILITY IN PRODUCT AND PRODUCTION ENGINEERING 2024

SEE YOU NEXT YEAR AT THE SUSTAINABILITY CONFERENCE ON SEP 30 – OCT 1, 2025 IN BAD NAUHEIM AGAIN!



**AUTO
MOTIVE
CIRCLE**

NOV 26 – 27

SUSTAINABILITY 2024

AGENDA

WEDNESDAY | NOVEMBER 27

KEYNOTE

- 8.00 am** **How can the circular economy lead to more climate protection? – Sufficiency as a ‘strategy of enough’**
Prof. Christina Dornack, German Council on the Environment (SRU), Technische Universität Dresden, Institute of Waste Management and Circular Economy, DE

THE BATTERY RECYCLING CHALLENGE

- 8.45 am** **Disassembly technologies for automotive batteries – automation and concepts**
Johannes Feik, FFT Produktionssysteme GmbH & Co. KG, DE

THE PLASTICS RECYCLING CHALLENGE

- 9.30 am** **Sustainable materials for advanced micromobility**
Pierre Authom, Toyota Motor Europe, BE
- 10.00 am** **Meet the Speakers / Exhibition / Coffee and contacts**
- 10.45 am** **Car2Car – Research insights into closed loop car recycling for plastics**
Dr. Bernhard Staudt, BMW Group, DE; Eric Himpel, Steinert UniSort GmbH, DE; Dr. Margret Fuchs, Helmholtz Institute Freiberg for Resource Technology (HIF), DE
- 11.15 am** **Advanced plastic sorting technology – a solution towards the ‘closed loop’**
Mohammed Riyaz, Hyundai Motor Group, DE; Robin Just, Polysecure GmbH, DE
- 11.45 am** **From old tires to new car parts – Chemical recycling enabling automotive circularity**
Dr. Fabian Grote, Covestro Deutschland AG, DE
- 12.15 pm** **The material science behind recycling plastics into automotive**
Andre Hebel, Zshelyz Lee, Dow Mobility Science, DE
- 12.45 pm** **Meet the Speakers / Exhibition / Lunch break**

THE ALUMINIUM CARBON FOOTPRINT

- 2.00 pm** **Future-proofing aluminium circularity: challenges and opportunities ahead**
Dr. Benedetta Nucci, European Aluminium, BE
- 2.30 pm** **Decarbonizing the aluminium value chain in a 2050 perspective**
Stig Tjøtta, Hydro Aluminium Primary Metal, NO
- 3.00 pm** **Scenario-based life cycle assessment of vehicle lightweight structures**
Moritz Ostermann, Paderborn University, Automotive Lightweight Design (LiA), DE

OEM CONCLUSIONS

- 3.30 pm** **The conference’s OEM Advisory Board experts on current challenges in reaching sustainability in automotive product and production engineering**
- 3.45 pm** **Farewell address and end of the conference**

* All times in CET (UTC+1)
Conference program is subject to change
Status as of: November 15, 2024



**FIND OUT MORE
ABOUT US**

SUSTAINABILITY IN PRODUCT AND PRODUCTION ENGINEERING 2024

SEE YOU NEXT YEAR AT THE SUSTAINABILITY CONFERENCE ON SEP 30 – OCT 1, 2025 IN BAD NAUHEIM AGAIN!