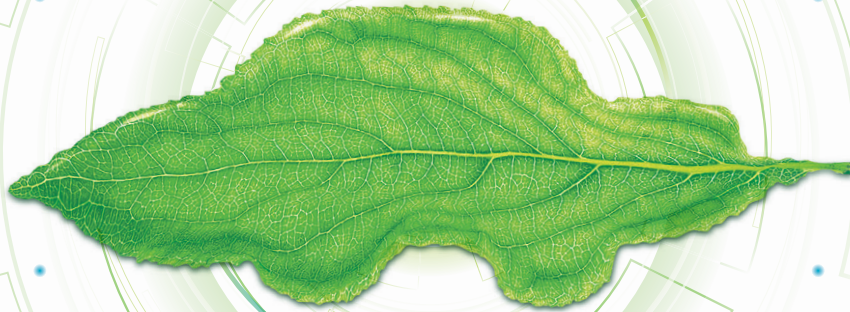


FIRST ANNOUNCEMENT

ZERO-IMPACT MOBILITY

EMISSIONS AND LIFECYCLE CO₂: NO LONGER A CONFLICT?

32nd International AVL Conference "Engine & Environment"
28th - 29th May 2020, Helmut-List-Halle, Graz, Austria



MOTOR & UMWELT – ENGINE & ENVIRONMENT
The Trend Conference in Graz

AVL



27th MAY 2020
TEST DRIVES



ZERO-IMPACT MOBILITY EMISSIONS AND LIFECYCLE CO₂: NO LONGER A CONFLICT?

2019 saw a global decline in the sales of passenger cars and the reluctance to purchase can be explained by a certain sense of uncertainty on the part of the buyers. As vehicles are usually kept by the same owner for a longer period of time, the buying decision has long-term consequences. Under such conditions, it is an almost impossible task for vehicle buyers to take the boundary conditions into account for many years in advance.

In China, only electric vehicles have the prospect of obtaining a new license plate immediately. Furthermore, driving bans for older diesel vehicles were introduced in Germany at relatively short notice. These two examples show how quickly far-reaching decisions can be made.

This uncertainty, however, also affects vehicle manufacturers. Will enough customers be willing to buy electric vehicles?

If yes, at what price? Or will more customers be convinced once more to buy a diesel engine that contributes significantly to CO₂ reduction? Should vehicle development then indeed focus on electric vehicles or do manufacturers have to invest in combustion engine development once more? Which role will the different hybrid concepts play and will the fuel cell in particular meet its high expectations? Furthermore, will legislation allow CO₂ trading in the automobile industry in order to accelerate e-fuel development?

One thing, however, is certain: Pollution in cities must be reduced further, just like every possible measure needs to be taken to actually reduce CO₂. Electric vehicles cannot be the only solution for the entire transport sector and more actions must be taken in order for mobility to remain affordable.

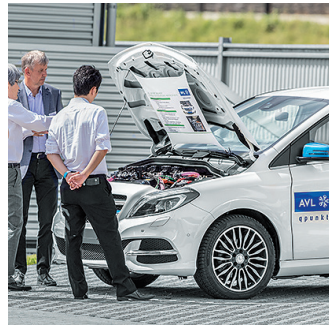
The conference offers its participants a suitable setting for an exchange concerning these questions. The presentations focus on the following points:

- Climate targets as the driving force for cradle-to-grave considerations
- Technological diversity or BEV dominance
- Influence of new mobility concepts on future powertrains and infrastructures
- Affordable zero-impact emission solutions for hybrid powertrain technologies
- From climate neutral powertrains to emission-free braking (system – powertrain – brake – energy management)

The following topics, amongst others, will be discussed in detail:

- Mobility: affordable and climate neutral
- Electrification in A and B segment: financial feasibility and customer acceptance
- Total cost of ownership / operation
- Market acceptance
- Energy sources
- Hydrogen, e-fuels, biofuels
- Energy infrastructure
- CO₂ lifecycle balance
- Recycling
- Engine and vehicle emissions
- Reliability
- Recuperative braking
- Zero-impact emission measures
- Range: battery size vs. range extender
- Range extender: combustion engine vs. fuel cell

Many presentations, the panel discussion and ample other possibilities for further exchange are designed to help the participants develop a clearer understanding of the necessary steps.



TEST DRIVING

As a special highlight of our welcome reception we would like to invite you once again to our AVL test track. Take the exclusive opportunity to personally test state-of-the-art vehicles equipped with AVL know-how!

27th May 2020

15:00 Test driving

followed by

19:00 Welcome reception

at the test track.

Register now and get started!



Scan the QR Code
to access the
"Engine & Environ-
ment" App

Conference languages: German and English (simultaneous translation)

Conference fee: € 1.190,- plus VAT (includes proceedings, lunches, snacks, evening events)

Early Booking Fee: € 950,- plus VAT for bookings until January 31st, 2020. Free of charge for members of the press.

Information & Registration: <https://www.avl.com/engine-environment>

FOR FURTHER INFORMATION PLEASE CONTACT:

AVL List GmbH, Hans-List-Platz 1, 8020 Graz, Austria

Phone: +43 316 787-927, email: event@avl.com, www.avl.com