



**Mobility in a Zero Emission Future**

**Wednesday 19th of April**

**10:00 - 11:00**

How will we achieve a **zero emission** future? Which technologies have the best opportunities in terms of **large-scale** deployment? Best practices, lessons learned, solutions, approaches, and expectations from **government, research, and industry.**

*Gerhard Meister (AVL), Karl Viktor Schaller (TU Munich), Els de Wit (I&W)*

**11:00 - 12:00**

**PANEL DISCUSSION**

**Panel 1: Implementations to Zero Emission Mobility**

What are the main challenges and barriers to realise zero emission mobility? Is it Human Behaviour on mobility or can behaviour assure this? How could smart technology help towards zero emissions? For example innovative traffic management, influencing driving patterns, anticipate with your routing on availability of electricity/ loading points. How do we 'measure' our progress to zero emission mobility? How are different national and regional policies make a difference for fasttracking and mainstreaming of zero emission?

Lieke Duijmelings (FastNed), Auke Hoekstra (TU/e), Pedro Gomes (POLIS), Matthew Greener (Arriva)

**Panel 2: Technologies towards Zero Emission**

Which technologies offer the best opportunities for zero emission now, in 2030 and later? Which technology offers the best chances: battery – electric or green hydrogen? How will battery technology develop in the next 10 years? What is needed in terms of charging infrastructure? Do we need support or subsidies from governments? Will vehicle-to-grid charging help in reducing costs of the system?

Klaus Feldmann (Capgemini), Richard Smokers (TNO), Menno Kleingeld (VDL), Ralph Kwakernaak (DAF)

**13:30 - 14:30**

**DEEP DIVES ROUND 1**

**Next Generation Batteries**

Technological perspective on next-generation battery cell development, especially for heavy-duty applications.

**Innovation in Charging Infrastructure**

Developments needed in the upscaling of charging infrastructure for different types of vehicles.

**Innovative Solutions on Urban Mobility Challenges**

Evidenced-based innovative decision making on mobility is needed to keep cities livable and accessible.

**Light Weight Solutions for Zero Emissions**

What innovative (nano)materials are being developed in both knowledge institutes and industry?

**14:30 - 15:30**

**DEEP DIVES ROUND 2**

**Behaviour Change towards Zero Emission Mobility**

Changing human behaviour and creating sustainability awareness using smart technologies.

**From Fossil Fuels to Hydrogen Solutions**

What are affordable alternatives for fossil fuels? Impact of recently delegated act of EU about renewable hydrogen.

**Impact of new EU Battery Regulations**

Focus on necessary solutions for the new EU Battery Regulations. Role of smart algorithms.

**Light Electric Vehicles as Enabler Zero Emission Transport**

Adaptive control of the forming processes and detailed feedback on the product quality using digital integrat

**15:30 - 17:00**

**DEMONSTRATIONS**

The Automotive Week 2023 is the place to be to attend demos, from student teams and companies