



AEROFLEX Final Event

Tuesday 28 September 2021 | ZF Jeversen

EVENT PROGRAMME



08:40 Registration and Welcome

Ben Kraaijenhagen - Coordinator Aeroflex project

09:00 Keynote

Christian Brenneke - ZF CV Systems Global GmbH

09:25 Project overview & Main results

Ben Kraaijenhagen - Coordinator Aeroflex project / GertJan Koornneef - TNO Netherlands

Live demonstrations

09:45 Demonstration Advance Energy Management Powertrain & Smart Power Dolly

Julius Engasser - MAN Truck and Bus SE / Henning Wittig - Fraunhofer Institute for Transportation and Infrastructure Systems IVI

10:25 Live demonstration of AEMPT and Smart Power Dolly, European modular system (EMS) and AEROLOAD

Andelko Glavinic - ZF CV Systems

Live demonstration of Smart Loading Units, Cargo Volume Detection, Puzzle Software and Van Eck Trailer

Ton Bertens - Van Eck Trailers B.V. / Gafur Zymeri - ZF CV Systems / Agnes Eiband - Fraunhofer-Institut für Materialfluss und Logistik IML

Lunch / Break

12:05 Ride & Drive

Via livestream movie about the project and its innovations

Demonstration of innovations

13:00 Aerodynamic devices for the complete vehicle

Computational Fluid Dynamics (CFD) and Windtunnel tests

Jaap van Muijden - Netherlands Aerospace Centre / Per Elofsson - Scania CV

Active devices

Roy Veldhuizen - ZF CV Systems

13:20 Automotive ethernet communication

Andelko Glavinic - ZF CV Systems

13:25 Trailer to Train concept

Ben Kraaijenhagen - Coordinator Aeroflex project / Ton Bertens - Van Eck Trailers B.V.

Trailer to Train results and benefits

Eric Feyen - International Union for Road-Rail Combined Transport (UIRR) / External expert Eric Lambert - CFL multimodal

13:45 Impact and validation of innovations

Performance based standards (PBS) test results

Alex Freitas - Applus IDIADA

Validation and impact of the AEROFLEX project

Paul Mentink & Emiel van Eijk - Netherlands Organisation for applied scientific research (TNO)

Impact and cost benefit analysis of the AEROFLEX project

GertJan Koornneef - TNO Netherlands / External expert Sven Besecke - Volkswagen Konzernlogistik

Benefits for the industry and society

14:00 Market impact and potential impact on logistics and physical internet

Andreas Lischke & Gernot Liedtke - DLR German Aerospace Center / External expert Fernando Liesa - ALICE

14:20 Front-end design for more survivability in crashes

Accidentology and scenarios

Giusseppe Cordua - IVECO CNHI / Ron Schindler - Chalmers University of Technology

Active and passive systems

IDIADA / External experts Michel van Ratingen - EuroNCAP / Johannes Peter Bauer - ACEA

14:40 break

15:00 Book of recommendations / legislative framework

Oriol Flix, Xavier Font, Carlos Lujan - IDIADA Automotive Technology SA

Recommendations and hand over

15:20 Recommendations and roadmap for intelligent access policies

Karel Kural - HAN University of Applied Sciences

Hand over intelligent access policies

External expert Loes Aarts - Dutch Ministry of Infrastructure and Water Management

Panel discussion

15:45 Innovations for more efficient, safer transport contributing to the zero emission reduction including legislative adaptations

Moderated by Iffet Turken - Kaessbohrer / Loes Aarts - Dutch Ministry of Infrastructure and Water Management / Sven Besecke - Volkswagen Konzernlogistik / Christian Brenneke - ZF CV Systems Global GmbH / Thomas Fabian - ACEA / Aurora Garcia de Sandoval - EC DG MOVE / Ben Kraaijenhagen - AEROFLEX Coordinator / Ignacio La Fuente - IDIADA Automotive Technology S.A. / Eric Lambert - CFL MultiModal / Fernando Liesa - ALICE ETP / Ewa Ptaszynska - EC DG MOVE / Marian Raluca - IRU

16:40 Wrap-up and closure

Iffet Turken - Kaessbohrer / Urs Gunzert - MAN Truck and Bus SE / Ben Kraaijenhagen - Coordinator Aeroflex project

At the test track

16:50 Drinks & Ride and Drive

18:00 Dinner (buffet)