

/ **17–18 NOVEMBER 2025**

TOWARDS THE SUSTAINABLE VEHICLE ERA

**Future Trends in Safe, Comfortable
and Low Emission Vehicles**

Organized by:



Center for
Automotive Research
and Sustainable Mobility



DAY 1 - 17/11/2025

PISTA 500, Via Nizza 262

13:30 – 14:00 Participant grouping

14:00 – 14:30 Registration

14:30 – 17:00 Vehicle Exhibition and Demos of Vehicles
and Prototypes on Pista 500

17:00 – 18:00 Refreshment

DAY 2 - 18/11/2025

Politecnico di Torino

Corso Duca degli Abruzzi, 24

8:30 – 9:00 Participant Registration

Welcome Opening Session

9:00 – 9:10 Stefano Corgnati – *Rector of Politecnico di Torino*
Institutional Welcome

9:10 – 9:20 Fabrizio Pirri – *Vice Rector for Research Model and Infrastructure Development*
How a New Paradigm of Research Collaboration and a New Model of Technological Infrastructures can Support the Industry

9:20 – 9:30 Luigi Gallo – *Head of Incentives and Innovation Business Unit at Agenzia Nazionale attrazione Investimenti e sviluppo impresa*
Opportunities of Incentives for the Industry as support to the new challenges on Road Transport Sector

Session 1 9:30 – 11:10

Perspectives on sustainable mobility

Session Chair Carla Fabiana Chiasserini, Politecnico di Torino

9:30 – 9:55 Marco Tonetti – *Global Head of Electric Drive Module and Thermal management at Stellantis Technology Office*
Joint Research for a Sustainable Electrified Mobility Future

9:55 – 10:20 Fabrizio Conicella – *Global Head of Digital and Advanced Technologies at IVECO GROUP*
How can Collective and Perspective Data Improve the Vehicle Safety

10:20 – 10:45 Franz Leitner – *Director Powertrain Engineering at AVL Italy*
New Design Approaches to reduce the Vehicle Development Process in Europe

10:45 – 11:10 Luciano Bonaria – *President and CEO at SPEA*

Zero Failures Initiative: Building Sustainable Mobility through Reliable Electronics

11:10 – 11:30 Coffee break

Session 2 11:30 – 13:10

Future Trends on Vehicle Subsystems and Control

Session Chair Maria Pia Cavatorta, Politecnico di Torino

11:30 – 11:55 Rahul Sagar Plavullathil – *Head of Driveline Product Engineering at FPT Industrial*

The frontier of e-axes for Industrial Vehicles

11:55 – 12:20 Francesco Monti – *CEO at Podium-Tech*

An insight on new trends and legislative constraints in next generation of battery systems

12:20 – 12:45 Gorazd Gotovac – *CEO at Elaphe Propulsion Solutions*

A new level of driving experience with in-wheel motors and high-speed control

12:45 – 13:10 Ilario Gerlero – *Founder and Associate Partner at Sensor Reply*
Energy Efficiency Optimization with Generative AI Agent suggestions

13:15 – 14:25 Lunch Break

Session 3 14:30 – 16:10

Electric and electronic technologies for electrification

Session Chair Francesco Iannuzzo, Politecnico di Torino

14:30 – 14:55 Florin Udrea – *Cambridge GaN Devices, UK*
Smart power ICs in GaN for a bright future in power electronics

14:55 – 15:20 Luca Virzi – *DANA, Italy*
Driving Electrification with Low Voltage Powertrain Solutions

15:20 – 15:45 Roland Vuillemin – *Electrofit, Italy*
From an Academic Paper on eMobility to a Product on the Market

15:45 – 16:10 Riccardo Breda – *PLEXIM, Switzerland*
High-Fidelity Electric Model Models for Real-Time HIL Simulation of Electrified Powertrains

16:10 – 16:30 Coffee Break

16:30 – 18:30 Poster Session

16:30 – 18:30 Proto Session

TOWARDS THE SUSTAINABLE VEHICLE ERA

19 novembre 2025

Aula Magna Giovanni Agnelli - Politecnico di Torino
Corso Duca degli Abruzzi, 24



Politecnico
di Torino



8:30 – 9:00 Participant Registration

Workshop Opening

9:00 – 9:10 Giuliana Mattiazzo – *Vice Rector for Research and Technology Transfer, Politecnico di Torino*

Welcome Speech

9:10 – 9:30 Gianmarco Montanari – *Direttore Generale Centro Nazionale della Mobilità Sostenibile (MOST)*

Session 1 9:30 – 11:00

Spoke 1 **Air Mobility**

9:30 – 10:10 Giorgio Guglieri

Spoke 11 **Innovative Materials and Lightening**

10:10 – 10:50 Mariangela Lombardi

11:00 – 11:30 Coffee break

Session 2 11:30 – 13:15

Spoke 6 **Vehicle Connected and Autonomous**

11:30 – 12:10 Francesco Raviglione, Nicola Amati

Spoke 13 **Electric Traction Systems and Batteries**

12:10-12:40 Claudio Gerbaldi, Silvia Bodoardo, Enrico Galvagno, Gianmario Pellegrino, Radu Bojoi

Spoke 7 **Cooperative Connected Automate Mobility & Intelligent Infrastructures**

12:40 – 13:10 Bernardino Chiaia

13:30 – 14:30 Lunch Break

Session 3 14:30-18:00

Spoke 2 **Sustainable Road Vehicles**

Final event dedicated to Spoke 2

16:00 – 16:30 Coffee Break

16:00 – 18:00 Poster Session

16:00 – 18:00 Proto Exhibition