



CONFERENCE

Results from road transport research

14 to 16 February 2023

BluePoint Brussels

Bd Auguste Reyers 80, 1030 Brussels

DRAFT PROGRAMME



14 February



12.00 – 13.20 Welcome lunch

OPENING SESSION



13.20 – 13.50

Dr.-Ing. Stephan NEUGEBAUER, Director Global Research Cooperation, BMW and ERTRAC & EGViafor2Zero Chairman
Christian SCHARNHORST, Head of Marketing Highly Automated Driving, Robert Bosch and CCAM Association Vice Chairman
Rosalinde VAN DER VLIES, Director - Clean Planet, DG Research and Innovation (DG RTD), European Commission *(tbc)*
Herald RUIJTERS, Director, Investment, Innovative & Sustainable Transport, DG Mobility and Transport (DG MOVE), European Commission *(tbc)*
Dirk BECKERS, Director, European Climate, Environment and Infrastructure Executive Agency (CINEA) *(tbc)*

PARALLEL SESSIONS



14.00 – 16.00

Building an inclusive and interconnected transport system

INDIMO Inclusive digital mobility solutions
DIGNITY DIGital traNsport In and for Society
TRIPS Transport Innovation for vulnerable-to-exclusion People needs Satisfaction



16.00 – 16.30 Coffee break



16.30 – 18.30

GV - Next generation electrified vehicles optimised for the infrastructure

1000kmPLUS Scalable European Powertrain Technology Platform for Cost-Efficient Electric Vehicles to Connect Europe
CEVOLVER Connected Electric Vehicle Optimized for Life, Value, Efficiency and Range
ACHILES Advanced Architectures Chassis/Traction concept for Future Electric vehicles
SELFIE SELF-sustained and Smart Battery Thermal Management Solution for Battery Electric Vehicles

Batteries of the future

SUBLIME Solid state sulfide Based LI-Metal batteries for EV applications
Hydra Hybrid power-energy electrodes for next generation lithium-ion batteries
SeNSE Lithium-ion battery with silicon anode, nickel-rich cathode and in-cell sensor for electric vehicles
MODALIS2 MODelling of Advanced LI Storage Systems

CCAM - New mobility services and future data management needs

AVENUE Autonomous Vehicles to Evolve to a New Urban Experience
AWARD All Weather Autonomous Real logistics operations and Demonstrations
MobiDataLab Labs for prototyping future Mobility Data sharing cloud solutions
nuMIDAS New Mobility Data and Solutions Toolkit



15 February



9.15 – 9.45 Welcome coffee

PARALLEL SESSIONS



9.45 – 12.15

GV - Advanced light materials and their production processes

REVOLUTION Supporting the Electric Vehicle REVOLUTION through maximising EV Range and End-of-Life Vehicle Recovery through optimisation of recycled plastics and advanced light materials

ALMA Advanced Light Materials and processes for the eco-design of electric vehicles

Fatigue4Light Fatigue modelling and fast testing methodologies to optimize part design and to boost lightweight materials deployment in chassis parts

LEVIS Advanced Light materials for sustainable Electrical Vehicles by Integration of eco-design and circular economy Strategies

FLAMINGo Fabrication of Lightweight Aluminium Metal matrix composites and validation In Green vehicles

UPSCALE Upscaling Product development Simulation Capabilities exploiting Artificial intelligence for Electrified vehicles

Air quality: from technology to user involvement

DIAS Smart Adaptive Remote Diagnostic Antitampering Systems

CARES City Air Remote Emission Sensing

MODALES MODify Drivers' behaviour to Adapt for Lower EmissionS

uCARe You can also reduce emissions

PHOENICE PHEv towards zero EmissionS & ultimate ICE efficiency

City-led innovation for a renewed urban mobility

SUMP-PLUS Sustainable Urban Mobility Planning: Pathways and Links to Urban Systems

SPROUT Sustainable Policy RespOnse to Urban mobility Transition

ReVeAL Regulating Vehicle Access for improved Livability

MOMENTUM Modelling Emerging Transport Solutions for Urban Mobility

HARMONY Holistic Approach for Providing Spatial & Transport Planning Tools and Evidence to Metropolitan and Regional Authorities to Lead a Sustainable Transition to a New Mobility Era



12.15 – 14.00 Lunch, Networking and Exhibition



14.00 – 16.00

GV - Next generation electrified vehicles for urban and suburban use

LEONARDO MicrovehicLE fOr staNd-Alone and shaReD mObility

REFLECTIVE RECONFIGURABLE LIGHT ELECTRIC VEHICLE

URBANIZED Society and flexible solutions for urBAN-sized Zero-Emissions last-mile Delivery and services vehicles

DREEM Designing user centric E-kickscooters & business models for Enhancing interModality

Next generation of battery packs for BEV and PHEV

LIBERTY Lightweight Battery System for Extended Range at Improved SafeTY

MARBEL MANUFACTURING AND ASSEMBLY OF MODULAR AND REUSABLE EV BATTERY FOR ENVIRONMENT-FRIENDLY AND LIGHTWEIGHT MOBILITY

ALBATROSS Advanced Light-weight BATteRy systems Optimized for fast charging, Safety, and Second-life applications

HELIOS High-performance modular battery packs for sustainable urban electromobility services

Driver behaviour and acceptance of connected, cooperative and automated transport

SUaaVE Supporting acceptance of automated VEHicLe

DriveToTheFuture Needs, wants and behaviour of 'Drivers' and automated vehicle users today and into the future

Trustonomy Building Acceptance and Trust in Autonomous Mobility

PAsCAL Enhance driver behaviour and Public Acceptance of Connected and Autonomous vehicLes



16.00 – 16.30 Coffee break

EU-FUNDED PROJECTS: A JOURNEY THROUGH INNOVATION

16.30 – 18.00

3 or 4 projects covering different research areas to be invited to share experience on benefits of EU-funded programmes and their return on experience on how to build on activities to create a real “success story”.

COCKTAIL

18.00 – 19.30

Join us for an evening full of conversation, networking & fun - all centred around talking about transforming road transport for a better future.

16 February

PARALLEL SESSIONS

9.00 – 10.30

Freight transport: from new methodologies to innovative solutions

STORM Smart freight TranspOrt and logistics Research Methodologies
SENATOR Smart Network Operator Platform enabling Shared, Integrated and more Sustainable Urban Freight Logistics
ePICenter Enhanced Physical Internet-Compatible Earth-frieNdly freight Transportation answER

GV - EV charging solutions: get the users on board

USER-CHI innovative solutions for USER centric Charging Infrastructure
eCharge4Drivers Electric Vehicle Charging Infrastructure for improved User Experience
MEISTER Mobility Environmentally-friendly, Integrated and economically Sustainable Through innovative Electromobility Recharging infrastructure and new business models

Safety of all road users

VIRTUAL Open access virtual testing protocols for enhanced road users safety
i-DREAMS Safety tolerance zone calculation and interventions for driver-vehicle-environment interactions under challenging conditions
PANACEA Improving road safety by effectively monitoring working patterns and overall fitness of drivers

10.30 – 11.00 Coffee break

11.00 – 12.30

Full automated infrastructure upgrade and maintenance

InfraROB Maintaining integrity, performance and safety of the road infrastructure through autonomous robotized solutions and modularization
OMICRON Towards a more automated and optimised maintenance, renewal and upgrade of roads by means of robotised technologies and intelligent decision support tools
HERON Improved Robotic Platform to perform Maintenance and Upgrading Roadworks: The HERON Approach

Innovative solutions to achieve sustainable mobility in urban areas

CityChangerCargoBike Improving the quality of city life by fully exploiting the huge potential of cargo bikes as a sustainable means of transport for private and commercial logistics purposes
Handshake Enabling the transferability of cycling innovations and assessment of its implications
Park4SUMP Actions demonstrate how Park4SUMP will lead to achieve sustainable transport in urban areas by strategically integrating innovative parking management solutions into SUMP policies.

GV - Materials for future electrified vehicle batteries

SPIDER Safe and Prelithiated high energy DEnsity batteries based on sulphur Rocksalt and silicon chemistries (*tbc*)
Si-DRIVE Silicon Alloying Anodes for High Energy Density Batteries comprising Lithium Rich Cathodes and Safe Ionic Liquid based Electrolytes for Enhanced High VoltagE Performance.
LISA Lithium sulphur for SAfe road electrification



CLOSING DISCUSSION

 12.45 – 13.30

Philippe FROISSARD, Head of Unit, Future urban & mobility systems, DG Research and Innovation (DG RTD), European Commission and **Zissis SAMARAS**, Lab of Applied Thermodynamics, Dept of Mechanical Engineering, Aristotle University and ERTRAC Vice Chairman.

 13.30 – 14.15 Farewell lunch

Exhibitors

Future - Horizon

Future on-/off-road transport and mobility research, cross-border cooperation strategies, realization actions and procurement processes

REBALANCE

futuRE moBility vALues ANd CulturE
(tbc)

**4th European
Conference on
Connected and
Automated
Driving
(EUCAD2023)**

**Transport
Research Arena
2024 conference
(TRA2024)**

2ZERO

ERTRAC

CCAM

European
Commission