#H2020RTR21

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EUROPEAN CONFERENCE
Results from road transport research in H2020 projects

29th and 30th March 2022

Draft agenda

Timing assuming the organisation of a face to face meeting in Brussels

DAY 1 – 29th March 2022

10.00 – Welcome coffee

10.30 – 11.20 – Opening speeches

Dr.-Ing. Stephan NEUGEBAUER, Director Global Research Cooperation, BMW and ERTRAC & EGVIA Chairman

Armin GRAETER, Leader Digitalisation and Automated Driving, BMW Group and CCAM Association Chair

Rosalinde VAN DER VLIES, Director - Clean Planet, DG Research and Innovation (DG RTD), European Commission

Herald RUIJTERS, Director, Investment, Innovative & Sustainable Transport, DG Mobility and Transport (DG Move), European Commission

Dirk BECKERS, Director, European Climate, Environment and Infrastructure Executive Agency (CINEA)

11.20 – 12.35 - Parallel sessions

ICT infrastructure for road transport	Solid state batteries for mobility: the chemistry of tomorrow?	Boosting electric mobility in cities in Europe and around the world
ICONET *New ICT infrastructure and reference architecture to support Operations in future PI Logistics NETworks* **PLANET** *Progress towards Federated Logistics Through The Integration Of TEN-T into A Global Trade Network* **ICT4CART** *ICT Infrastructure for Connected and Automated Road Transport*	**ASTRABAT** *All Solid-sTate Reliable BATtery for 2025* **SAFELiMOVE** *advanced all Solid stAte saFE LIthium Metal technology tOwards Vehicle Electrification* **SOLiDIFY** *Liquid-Processed Solid-State Li-metal Battery: development of upscale materials, processes and architectures*	**ASSURED** *fASt and Smart charging solutions for full size URban hEavy Duty applications* **SOLUTIONSplus** *Integrated Urban Electric Mobility Solutions in the Con text of the Paris Agreement, the Sustainable Development Goals and the New Urban Agenda*

12.35 – 14.00 – Lunch break

14.00 -15.40 – Parallel sessions

Automated driving and the users	Building resilient-proof infrastructure	Improving chemistry of batteries, improving vehicle performance
Levitate *Societal Level Impacts of Connected and Automated Vehicles* **HADRIAN** *Holistic Approach for Driver Role Integration and Automation Allocation for European Mobility Needs* **MEDIATOR** *MEdiating between Driver and Intelligent Automated Transport systems on Our Roads* **SAFE-UP** *proactive SAFEty systems and tools for a constantly UPgrading road environment*	**RESIST** *RESilient transport InfraSTructure to extreme events* **PANOPTIS** *Development of a Decision Support System for increasing the Resilience of Transportation Infrastructure based on combined use of terrestrial and airborne sensors and advanced modelling tools* **SAFEWAY** *GIS-BASED INFRASTRUCTURE MANAGEMENT SYSTEM FOR OPTIMIZED RESPONSE TO EXTREME EVENTS OF TERRESTRIAL TRANSPORT NETWORKS* **FORESEE** *Future proofing strategies FOr RESilient transport networks against Extreme Events*	**3beLiEVe** *Delivering the 3b generation of LNMO cells for the xEV market of 2025 and beyond* **COBRA** *CObalt-free Batteries for FutuRe Automotive Applications* **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*

15.40 – 16.00 – Coffee break

16.00 – 17.15 – Parallel sessions

Protection of road users	Charging solutions for a user and environmentally friendly electromobility	Green Vehicles – Virtual product development
OSCCAR *Future Occupant Safety for Crashes in Cars* **VIRTUAL** *Open access virtual testing protocols for enhanced road users safety* **PIONEERS** *PROTECTIVE INNOVATIONS OF NEW EQUIPMENT FOR ENHANCED RIDER SAFETY*	**GreenCharge** *GreenCharge* **MEISTER** *Mobility Environmentally-friendly, Integrated and economically Sustainable Through innovative Electromobility Recharging infrastructure and new business models* **INCIT-EV** *Large demonstratIoN of user CentrIc urban and long-range charging solutions to boosT an engaging deployment of Electric Vehicles in Europe*	**PANDA** *Powerfull Advanced N-Level Digitalization Architecture for models of electrified vehicles and their components* **VISION-xEV** *Virtual Component and System Integration for Efficient Electrified Vehicle Development* **XILforEV** *Connected and Shared X-in-the-loop Environment for Electric Vehicles Development*

17.15 – 18.30 – Parallel sessions

New/future and inclusive mobility patterns	Urban logistics: on-demand, shared, connected and low emission	Green Vehicles – new vehicle design for new usage models
DIAMOND *Revealing fair and actionable knowledge from data to support women's inclusion in transport systems* **TInnGO** *Transport Innovation Gender Observatory* **REBALANCE** *futuRE moBility vALues ANd CulturE*	**LEAD** *Low-Emission Adaptive last mile logistics supporting 'on Demand economy' through digital twins* **ULaaDS** *Urban Logistics as an on Demand Service* **CityChangerCargoBike** *CityChangerCargoBike*	**DOMUS** *Design OptiMisation for efficient electric vehicles based on a USer-centric approach* **Multi-Moby** *Safe, Secure, High Performing Multi-Passanger and Multi-Commercial Uses Affordable EVs*

18.30 – Cocktail

DAY 2 – 30th March 2022

9.00 – Welcome coffee

9.30- 10.45 Parallel sessions

Sustainable mobility in urban areas	Inclusive transport system to meet the user needs	Green vehicles - HDV of the future
Park4SUMP *Actions demonstrate how Park4SUMP will lead to achieve sustainable transport in urban areas by strategically integrating innovative parking management solutions into SUMP policies.* **SUMP-PLUS** *Sustainable Urban Mobility Planning: Pathways and Links to Urban Systems*	**INDIMO** *Inclusive digital mobility solutions* **DIGNITY** *DIGital traNsport In and for socieTY* **TRIPS** *TRansport Innovation for vulnerable-to-exclusion People needs Satisfaction*	**AEROFLEX** *Aerodynamic and Flexible Trucks for Next Generation of Long Distance Road Transport* **LONGRUN** *Development of efficient and environmental friendly LONG distance powertrain for heavy dUty trucks aNd coaches*

10.45 – 11.00 – Coffee break

11.00 – 13.05 - Parallel sessions

Sharing the space and the service: new mobility patterns	Green Vehicles – architecture, components and systems for electrified vehicles
SUNRISE *Sustainable Urban Neighbourhoods - Research and Implementation Support in Europe* **Handshake** *Enabling the transferability of cycling innovations and assessment of its implications* **SPROUT** *Sustainable Policy RespOnse to Urban mobility Transition* **MORE** *Multi-modal Optimisation for Road-space in Europe* **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*	**SYS2WHEEL** *Integrated components, systems and architectures for efficient adaption and conversion of commercial vehicle platforms to 3rd generation battery electric vehicles for future CO2-free city logistics* **EVC1000** *Electric Vehicle Components for 1000 km daily trips (EVC1000).* **TELL** *Towards a fast-uptake of mEdium/Low-voltage eLectric power trains* **i-HeCoBatt** *Intelligent Heating and Cooling solution for enhanced range EV Battery packs* **FITGEN** *Functionally Integrated E-axle Ready for Mass Market Third GENeration Electric Vehicles*

13.05 – 14.30 – Lunch break

14.30 – 16.10 – Parallel sessions

Understanding and reducing harmful emissions for human health	Introducing Connected Automated Mobility in real traffic conditions	Battery design, modelling and manufacturing
TUBE *Transport derived Ultrafines and the Brain Effects* **MODALES** *MOdify Drivers' behaviour to Adapt for Lower EmissionS* **DIAS** *Smart Adaptive Remote Diagnostic Antitampering Systems* **NEMO** *Noise and Emissions Monitoring and radical mitigation*	**L3Pilot** *Piloting Automated Driving on European Roads* **ENSEMBLE** *ENabling SafE Multi-Brand pLatooning for Europe* **SHOW** *SHared automation Operating models for Worldwide adoption* **HEADSTART** *HARMONISED EUROPEAN SOLUTIONS FOR TESTING AUTOMATED ROAD TRANSPORT*	**GHOST** *InteGrated and PHysically Optimised Battery System for Plug-in Vehicles Technologies* **MODALIS2** *MODelling of Advanced LI Storage Systems* **DEFACTO** *Battery DEsign and manuFACTuring Optimization through multiphysics modelling* **IMAGE** *Innovative Manufacturing Routes for Next Generation Batteries in Europe*

16.15-.16.30 – CLOSING WORDS

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