CONFERENCE
Results from road transport research
5th to 7th February 2024
BluePoint Brussels
Blvd Auguste Reyers 80, 1030 Brussels

DRAFT PROGRAMME

5th February

12.00 – 13.20 Welcome lunch
Visit the RTR exhibition area

OPENING SESSION

13.20 – 13.50
Moderator: Simon Edwards (Global Director, Technology, Ricardo, ERTRAC Vice-Chairman and RTR Conference Chair)
Dr.-Ing. Stephan Neugebauer, Director Global Research Cooperation, BMW and ERTRAC & EGViafor2Zero Chairman
Armin Gräter, BMW Group, CCAM Association Chairman
Rosalinde van der Vlies, Director Clean Planet, DG Research and Innovation (DG RTD), European Commission
Herald Ruijters, Deputy Director-General, Director Investment, Innovative & Sustainable Transport, DG Mobility and Transport (DG MOVE), European Commission
Paloma Aba Garrote, Director, European Climate, Environment and Infrastructure Executive Agency (CINEA)

PARALLEL SESSIONS

14.00 – 16.00

1. Network and traffic management for future mobility

DIT4TraM - Distributed Intelligence and Technology for Traffic and Mobility Management
FRONTIER - Next generation traffic management for empowering CAVs integration, cross-stakeholders collaboration and proactive multi-modal network optimization
ORCHESTRA - Coordinating and synchronising multimodal transport improving road, rail, water and air transport through increased automation and user involvement
TANGENT - ENHANCED DATA PROCESSING TECHNIQUES FOR DYNAMIC MANAGEMENT OF MULTIMODAL TRAFFIC

2. Understanding and mitigating the effects of particle emission and noise

nPETS - NANO PARTICLE EMISSIONS FROM THE TRANSPORT SECTOR: HEALTH AND POLICY IMPACTS
LEON-T - Low particle Emissions and IOw Noise Tyresultimate ICE efficiency
ULTRHAS - ULtrafine particles from Transportation – Health Assessment of Sources
AeroSolfd - Fast track to cleaner, healthier urban Aerosols by market ready Solutions of retrofit Filtration Devices for tailpipe, brake systems and closed environments
TUBE - Transport derived Ultrafines and the Brain Effects

3. Advancements in Li-ion batteries Generation 3b

3beLiEVe - Delivering the 3b generation of LNMO cells for the xEV market of 2025 and beyond
SeNSE - Lithium-ion battery with silicon anode, nickel-rich cathode and in-cell sensor for electric vehicles
COBRA - CObalt-free Batteries for FutuRe Automotive Applications
IntelLiGent - Innovative and Sustainable High Voltage Li-ion Cells for Next Generation (EV) Batteries

16.00 – 16.30 Coffee break
Visit the RTR exhibition area
## 4. Digitalisation of logistics

- **PLANET** - Progress towards Federated Logistics Through The Integration Of TEN-T into A Global Trade Network
- **ePIcenter** - Enhanced Physical Internet-Compatible Earth-friendNly freight Transportation answeR
- **STORM** - Smart freight TransPort and logistics Research Methodologies
- **FOR-FREIGHT** - Flexible, multi-mOdal and Robust FREIGHt Transport

## 5. User-centric charging solutions

- **INCiT-EV** - Large demonstratioN of user Centric urban and long-range charging solutions to boost an engaging deployment of Electric Vehicles in Europe
- **EVAEU** - Electric Vehicles Management for carbon neutrality in Europe
- **SCALE** - Smart Charging ALignment for Europe

## 6. CCAM coordination frameworks, inclusiveness and societal impact

- **FAME** - Framework for coordination of Automated Mobility in Europe
- **SUNRISE** - Safety assUraNce fRamework for connected, automated mobility SystEms
- **SINFONICA** - Social INnovation to FOster iNclusIve Cooperative, connected and Automated mobility
- **Move2CCAM** - MethOds and tools for comprehensive impact Assessment of the CCAM solutions for passengers and goods

## 6th February

### 9.00 – 10.30

#### 7A. Next generation electrified vehicles for urban and suburban use

- **LEONARDO** - MicrovehicLE fOr staNd-Alone and shaReD mObility - LEONARDO
- **REFLECTIVE** - RECONFIGURABLE LIGHT ELECTRIC VEHICLE
- **SOLUTIONSplus** - Integrated Urban Electric Mobility Solutions in the Context of the Paris Agreement, the Sustainable Development Goals and the New Urban Agenda

#### 8A. CCAM and connectivity

- **PoDIUM** - PDI connectivity and cooperation enablers building trust and sustainability for CCAM
- **AUGMENTED CCAM** - Augmenting and Evaluating the Physical and Digital Infrastructure for CCAM deployment
- **MobiDataLab** - Labs for prototyping future Mobility Data sharing cloud solutions

### 10.30 – 10.50 Coffee break

Visit the RTR exhibition area

### 10.50 – 11.50

#### 7B. Next generation electrified vehicles for urban and suburban use

- **URBANIZED** - modUlAR and flexible solutions for urBAN-sized Zero-Emissions last-mile Delivery and services vehicles
- **Multi-Moby** - Safe, Secure, High Performing Multi-Passenger and Multi-Commercial Uses Affordable EVs

#### 8B. CCAM and connectivity (5G)

- **5GCroCo** - 5G Cross-Border Control (tbc)
- **5G Carmen** - 5G for Connected and Automated Road Mobility in the European union (tbc)
- **5GMOBIX** - 5G for cooperative & connected automated MOBIlity on X-border corridors

#### 9A. Fuel cells applications in HDV (FCH)

- **MORELife** - Material, Operating strategy and RELiability optimisation for LIFetime improvements in heavy-duty trucks
- **IMMORTAL** - IMproved lifetiMe stacks fOR heavy duty Trucks through ultra-durabLe components
- **StasHH** - Standard-Sized Heavy-duty Hydrogen

#### 9B. Fuel cells applications in HDV (FCH)

- **PRHYDE** - Protocol for heavy duty hydrogen refuelling
- **H2Haul** - Hydrogen fuel cell trucks for heavy-duty, zero emission logistics
## PARALLEL SESSIONS

### 12.00 – 13.00

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<tr>
<td>DEFACTO - Battery DEsign and manuFACTuring Optimization through multiphysic modelling</td>
<td>LONGRUN - Development of efficient and environmental friendly LONG distance powertrain for heavy dUty trucks aNd coaches</td>
<td>VALUS - Verification and Validation of Automated Systems' Safety and Security</td>
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<td>MODALIS2 - MODelling of Advanced Li Storage Systems</td>
<td>NextETRUCK - Efficient and affordable Zero Emission logistics through NEXT generation Electric TRUCKS (tbc)</td>
<td>ArchitectECA2030 - Trustable architectures with acceptable residual risk for the electric, connected and automated cars (tbc)</td>
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### 13.00 – 14.15 Lunch, Networking and Exhibition

### 14.15 – 15.45

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<tr>
<th>13. Solid state batteries</th>
<th>14. Crash protection and collision avoidance</th>
<th>15. Trustworthy CCAM</th>
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<tbody>
<tr>
<td>ASTRABAT - All Solid-sTate Reliable BATtery for 2025</td>
<td>SALIENT - Novel Concepts for Safer, Lighter, Circular and Smarter Vehicle Structure Design for Enhanced Crashworthiness and Higher Compatibility</td>
<td>CONNECT - Continuous and Efficient Coop-erative Trust Management for Resilient CCAM</td>
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<td>SAFELiMOVE - advanced all Solid stAte saFE Lithium Metal technology tOwards Vehicle Electrification</td>
<td>V4SAFETY - Vehicles and VRU Virtual eValuation of Road Safety</td>
<td>SELFY - SELF assessment, protection &amp; healing tools for a trustworthY and resilient CCAM</td>
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<td>SOLiDIFY - Liquid-Processed Solid-State Li-metal Battery: development of upscale materials, processes and architectures</td>
<td>SAFE-UP - proactive SAFEty systems and tools for a constantly UPgrading road environment</td>
<td>EVENTS - Reliable in-Vehicle pErception and decision-making in complex environmenTal conditionS</td>
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### 15.45 – 16.15 Coffee break

Visit the RTR exhibition area

### 16.15 – 18.15

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<tr>
<th>16. Urban mobility – cities as urban hubs and urban logistics</th>
<th>17. CCAM on the roads</th>
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<tr>
<td>MOVE21 - Multimodal and interconnected hubs for freight and passenger transport contributing to a zero emission 21st century</td>
<td>SHOW - SHared automation Operating models for Worldwide adoption</td>
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<td>SCALE-UP - Scale up user-Centric and dAta driven solutions for connected Urban Poles</td>
<td>AWARD - All Weather Autonomous Real logistics operations and Demonstrations</td>
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<td>LEAD - Low-Emission Adaptive last mile logistics supporting 'on Demand economy' through digital twins</td>
<td>Hi-Drive - Addressing challenges toward the deployment of higher automation</td>
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<td>ULaaS - Urban Logistics as an on Demand Service</td>
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7th February

PARALLEL SESSIONS

9.30 – 11.00

18A. Next generation of power electronics
- PowerDrive: Power electronics optimisation for next generation electric vehicle components
- RHODas: Reinventing High-performance pOwer converters for heavy-Duty electric trAnSport
- HiPE: High Performance Power Electronics Integrations

19A. Human factors in transport safety
- HEIDI: Holistic and adaptive Interface Design for human-technology Interactions
- MEDIATOR: MEdiating between Driver and Intelligent Automated Transport systems on Our Roads
- FITDrive: Monitoring devices for overall FITness of Drivers

20. Materials and 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 (tbc)
- 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

11.00 – 11.30 Coffee break
Visit the RTR exhibition area

11.30 – 12.30

18B. Next generation of power electronics
- HighScape: High efficiency, high power density, cost effective, scalable and modular power electronics and control solutions for electric vehicles
- PROGRESSUS: Highly efficient and trustworthy electronics, components and systems for the next generation energy supply infrastructure (tbc)

19B. Human factors in transport safety
- HADRIAN: Holistic Approach for Driver Role Integration and Automation Allocation for European Mobility Needs
- NextPerception: Next generation smart perception sensors and distributed intelligence for proactive human monitoring in health, wellbeing, and automotive systems

21. Noise and emission measurement, assessment and mitigation
- NEMO: Noise and Emissions Monitoring and radical mitigation
- LENS: L-vehicles Emissions and Noise mitigation Solutions

CLOSING DISCUSSION

12.45 – 13.15

Jane Amilhat, Head of Unit, Clean Transport Transitions, DG Research and Innovation (DG RTD), European Commission and Simon Edwards, Ricardo, ERTRAC Vice-Chairman and RTR Conference Chair.

13.15 – 14.00 Farewell lunch
Visit the RTR exhibition area

#RTR2024
Exhibitors

Greenet project
(network of NCP)

TRA2024 Dublin -
Transport Research
Arena Conference 2024

Projects

- **BISON** - BIODIVERSITY AND INFRASTRUCTURE SYNERGIES AND OPPORTUNITIES FOR EUROPEAN TRANSPORT NETWORKS
- **BOOSTLOG** - Boosting impact generation from research and innovation on integrated freight transport and Logistics system
- **ENTRANCE** - European matchmaking platform for innovative transport and mobility tools and services
- **RECIProCITY** - Replication of innovative concepts for peri-urban, rural or inner-city mobility
- **ASSURED-UAM** - Acceptance, Safety and Sustainability Recommendations for Efficient Deployment of UAM
- **FastTrack** - Fostering the Acceleration of Sustainable Transport To Regions and Authorities through Capacity and Knowledge
- **WE-TRANSFORM** - WORKFORCE EUROPE - TRANSFORMATION AGENDA FOR TRANSPORT AUTOMATION