ERTICO
ITS EUROPE

Presentations and Workshops

Evoluon | ITS European Congress | Eindhoven

ERTICO DECODES ITS

A series of topical presentations

Exhibition Stand 2.1 | Evoluon | Eindhoven

Cooperative ITS

🕐 **10.00 - 10.30**

A new framework for C-ITS Services

C-ITS deployment is today at a turning point where, thanks to cross-border harmonisation and interoperability, there is the concrete potential to move from local and fragmented implementation with a small number of prototypes to mass market products and applications for all road users. To tackle the common challenges and opportunities arising from the deployment of C-ITS in the EU Member States, it is essential to bring together all stakeholders in the value chain and develop and validate a new C-ITS Framework for robust and sustainable solutions. In this presentation, ERTICO presents the achievements of C-MobILE, a project that is building a framework to this end covering technical aspects, operational models, organisational and business aspects for the conception and market development of cooperative systems and services.

MaaS

🕐 **12.00 - 12.30**

Challenges for MaaS: designing a user-centric MaaS system

What are the main challenges related to implementation of MaaS and how to overcome them? How to design a user-centric MaaS system? This presentation will outline some of the key challenges that MaaS implementations face, illustrate them with examples, point out affected stakeholders and offer some thoughts on how to deal with them. While these are still early days for the adoption of MaaS and many changes in the marketplace are foreseen in the years to come, we hopes to contribute to a common vision in which a wide global MaaS adoption brings significant positive outcomes to all stakeholders.

START-UPS (Start-up Theatre)

🕐 **12.30 - 13.00**

ERTICO launches new match-making service for start-ups

In this presentation, ERTICO launches its new personalised service, connecting the European innovation power of Start-ups and Scale-ups with ERTICO's strong multi-sector transport and mobility industry network of partners. In particular, **three start-ups** will be awarded the opportunity to build upon the leadership knowledge, business development and communication expertise of ERTICO and its specialised partnership. Start-ups, imbued with the flexibility and the innovation that matches the fast evolving demands of European transport and mobility offer partners co-creation and investment opportunities that develop their product and service offering. **Connect, Innovate** and **Grow** are the keywords for this unique service that ERTICO is strategically placed to offer.

Digital infrastructure and maps

14.00 - 14.30

The path to Connected and Automated Driving in Europe

Within Europe, several systems and platforms have been developed and deployed to support the realization of Connected and Automated Driving (CAD). This presentation will give a comprehensive overview of those platforms, their roles and mechanisms. An overall digital architecture will be presented, explaining the coherent and complementary functionality of each of those systems. Participants will gain a more in depth view into the various data elements that play a role in CAD and how related data exchange is established by these systems. An overview is given of the various ERTICO platforms, maintaining, developing and deploying each of the digital architecture building blocks.

TM2.0 Traffic Management

10.00 - 10.30

Gaining Trust in TM2.0

This presentation will discuss 'trust' as the guiding element in the TM2.0 concept of Traffic Management. The TM 2.0 collaboration scheme is based on the understanding and acceptance of win-win in the practice of traffic management in a region, area or city. The stakeholders and players active in traffic management planning and operations have, in addition to contractual agreements signed amongst them, to expect and to be confident that some elements of this agreement will be included in these agreements such as the de facto quality of data, sharing of information on decisions, inclusive and transparent practices and also the prioritisation of public safety. The presentation will also discuss the requirements for establishing this trust, and it will sketch out how the TM2.0 collaborative schemes can be identified and/or marked as part of the'TM2.0 trusted network'.

Electromobility

12.00 - 12.30

Seamless electro mobility services: supporting L-EV use in cities

This presentation profiles two leading EU R&A activities aiming to make electric vehicle use more attractive. The NeMo initiative has developed a Hyper-Network of tools, models and core services to provide seamless electromobility services, such as expanding roaming across Europe. The Hyper-Network is currently being tested in a cross-country drive with an Electric Vehicle that will make several stops in 5 EU cities including Eindhoven. The other, ELVITEN, has proposed usage schemes of Light EVs in six European cities for personal and business use, aiming to increase wide awareness and public acceptance, gather knowledge on usage patterns, and promote sharing schemes as a complement to public transport, to improve urban mobility and air quality.

Knowledge Transfer and Learning

🕐 **12.30 - 13.00**

The new ERTICO Academy is launched: spreading the good news about ITS

Enhance your skills, boost your confidence and join a network of peers in the sector: these are just a few of the benefits of the ERTICO Academy. This presentation will officially the ERTICO Academy and will focus on the ways that this new Academy will offer training to Public Authorities and private sector stakeholders on issues important to ITS and its deployment. The benefits of ITS and C-ITS as well as the importance and impact of the EU Directive and its Delegated Regulations at national level are just a few of the topics. Training will also support the creation of a common understanding and building stronger relationships, whereas others will provide opportunities for professional skills development, encouraging career opportunities in transport mobility.

Fuel consumption

🕐 **14.00 - 14.30**

ITS can reduce emissions, meet CO2 targets & improve air quality!

ITS has the potential to be one of the major enablers in reducing emissions, including CO2 if successfully deployed. Many initiatives have investigated and demonstrated the effectiveness of the proposed solutions, in particular for goods transport. This session will present some of the solutions and their contribution to reduce CO2 emission as well as new approaches targeting the reduction of particle emission and hence improving air quality.

Truck Platooning

🕐 **10.00 - 10.30**

Platooning in a VISION 2022 deployment scenario

European projects ENSEMBLE and CONCORDA pave the technical way for European Standards for introducing truck platooning. This presentation addresses the multi stakeholder vision and ambition to introduce platooning in Europe in 2022, as developed by the ETPC (European Truck Platooning Challenge platform). It will highlight the 'functional specification' elements related to SAE level and platooning levels, the envisioned services enhancing safety, advanced driver assistance and added value (logistics) services. It addresses the digital and physical infrastructure impact and requirements. Finally, it suggests that platooning will take the lead as the first tentative step towards full automation from a business perspective.

ERTICO EXPLORES ITS

A series of innovative workshops

ERTICO ROOM | Exhibition Ground floor | EVOLUON

Digital Marketplace Constructs in Smart Mobility and Smart Cities

🕐 **9.00 - 12.30**

As a place where goods are traded and social contacts built and reinforced, a marketplace forms the hub of daily life, but it is also defined by the size and value of the community behind it.

Smart Cities, where a number of technological factors play an important role in addressing mobility, environmental protection and quality of life, are an integral part of digital marketplaces. The internet of things has allowed modern cities, which are equipped with numerous sensors, to collect vast quantities of data potentially creating a Smart City that is an internet of everything, including services. But the true value of the data generated and collected can only be realised by pooling and sharing it with the diverse digital communities that exist in the Smart City and that provide services across sectors such as energy, mobility, health, etc.

Discussions in this workshop will centre on monetisation strategies based on unlocking the potential of different data sources in the Smart Cities context. These will be anchored on three types of challenges: creating new shared services in urban areas, supporting cross-sector services, and the socio-economic impacts of building communities around the marketplace. **Please note there will be two sessions with a coffee break.**

All you need to know about Blockchain and DLT use in smart mobility

🕐 **13.00 - 15.00**

Blockchain and Distributed Ledger Technologies (DLT) have the potential to address many challenges in the mobility sector by enabling more decentralised, trusted, secured, traceable and user-centric digital services. They can improve inter-company processes and stimulate new business models. While Blockchain and DLT are well known for financial use cases, the concept is still abstract when in use for smart mobility. Many applications based on DLTs have been developed by industry and start-ups for supply chain and transport. Other actors of the sector, like public authorities are considering more and more the possibilities to apply DLTs to improve processes or enable more efficient mobility services.

The first workshop on Blockchain and DLT for Mobility organised by ERTICO in September 2018 at the ITS World Congress in Copenhagen explored potential areas of deployment for MaaS and digital supply chains. This second ERTICO workshop will introduce existing uses cases with a focus on benefits, applicability criteria and implementation challenges and explore potential areas where the technology might be of value. It will bring together specialists from industry and research with mobility stakeholders interested in exploring the potential of DLTs in an interactive discussion, rich in idea exchange. The role of policy-makers and the needs for stakeholder collaboration, standardisation and harmonisation will also be addressed.

A Vision for Transport & Mobility – Moving forward

🕐 **15.30 - 17.00**

This is a brainstorming workshop co-organised by ERTICO and the European Commission, DG MOVE for the second year. This workshop will focus on how thanks to innovative concepts, schemes and technologies mobility might evolve in the future. It will also consider what our options for transport and mobility will look like in 10 years from now with regards to freight, traffic management, clean or urban mobility, digital infrastructure and other aspects of mobility. The 3-minute visionary presentations of the invited speakers will be followed by an interactive discussion with the audience which will look at how we as users and citizens will move from A to B in the future and the ways in which we can make our society a better, safer, more environmentally friendly place to live in. This workshop hopes to provoke an 'out of the box' discussion so an open mind is very welcome. Come armed with ideas!

Open Data Access to Mobility Data

🕐 **9.00 - 12.30**

The integration of Big Data and IoT platforms is creating new data-driven business models that will undoubtedly transform Europe's industry. The use of Open Data for deploying IoT platforms for Smart Mobility, however, presents a number of challenges. The main barriers that must be overcome fall into three categories: 1) technical issues such as interoperability and scalability of data and platform technologies; 2) policy surrounding access to data, particularly in-vehicle data; and 3) awareness across the industry about the benefits of data-driven models.

This workshop is an opportunity to examine the benefits of data-driven services from use cases in data marketplaces, analyse ICT architectures and data-sharing platforms, and to discuss policy requirements for Smart Cities and Connected and Automated Mobility. A concrete expected outcome of this workshop is a taskforce that will work on establishing an Open Data Forum for mobility data. The Forum will allow stakeholders to have a dialogue on the economic potential of vehicle data, addressing the benefits, risks and architectures for data-driven services, and to establish a structured topology of Open Data access and the economics of data sharing.

Please note there will be two sessions with a coffee break.

🕐 **13.30 - 17.00**

5G MOBIX: deployment for Automated Mobility

5G is expected to contribute to the digital transformation of the transport sector towards a global Digital Smart Mobility paradigm, providing breakthrough mobility concepts and new innovative applications and services matching user needs and societal challenges. EU funded actions, aiming at deploying and trialing 5G technologies for Cooperative, Connected and Automated Mobility (CCAM) started at the end of 2018 in collaboration with 5G-PPP. The European Commission is also preparing a framework for launching the Connecting Europe Facility (CEF) digital projects to co-finance 5G infrastructure with the intent to accelerate the deployment of 5G CAM corridors.

The purpose of this workshop is to bring about an exchange of views on the vehicle and roadside infrastructure needs and cellular network requirements for deploying 5G technologies and architectures to run trials on national and the cross-border corridors. Interactive panel discussions will provide insights into the 5G technologies for CCAM, the envisioned business models as well as state-of-the-art results from the 5G-PPP projects, in particular the three 5G for CCAM Innovation Actions (5G-MOBIX, 5G-CROCO, 5G-CARMEN) in the context of cross-border testing. **Please note there will be two sessions with a coffee break.**

🕐 **9.00 - 10.00**

Architecture for European Logistics Information eXchange: the AEOLIX Platform

Supply chain visibility and use of large logistics related information is an important issue for pan-European logistics. This workshop focuses on a new ICT platform, able to achieve a cloud based cooperative logistics ecosystem. More in detail, the platform is proposed as a user-configurable and secure solution, where information flows, provided by multiple sources, can be collected, organized, connected, manipulated and used depending on the role of the logistics and supply chain actors. The proposed platform aims to simplify the complexity of capturing fragmented data, aggregating and creating actionable information from and to multiple sources and actors in the logistics sector.

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Visit ERTICO – Stand 2.1, Ring 2

Find out more about ERTICO and our 120 Partners.

ERTICO's cutting-edge innovations and projects
will be presented throughout the Congress.

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