



ASECAP DAYS



ISTANBUL 2023

18 - 20 September 2023

Call for Presentations

**MOBILITY: A RIGHT FOR CITIZENS
HOW TO ENSURE SUSTAINABLE FINANCING TO PROVIDE
INCLUSIVE & NET ZERO MOBILITY SOLUTIONS?**

HOSTED BY



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AND
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The appeal of personal mobility has probably never been greater than right now due to pandemic-related lockdowns. The Russia / Ukraine war has led to a rise in energy prices and triggering a major economic crisis across western countries. In this very critical period, we all have the challenges to provide inclusive mobility solutions with road transport as key component of such inclusiveness.

The 50th ASECAP Study & information days will focus on how to provide equal access to mobility services being a key point for social and economic developments. How can financing transport infrastructure help deliver on equity and efficiency? What good practices exist in this regard. What are the best ways to link funding to environmental and safety objectives as economic booster? What innovative financing tools will attract private funds to mobility infrastructure investments?

Topics will also address network efficiency and innovation to prepare credible decarbonization to reach the challenges set by the EU Green Deal, smart mobility strategy reinforced by the EU Climate Law and *Fit for 55 in 2030 and UN Sustainable goals*.

Presentation submission

Abstract not exceeding **400 words** should be submitted using online facility:

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Timeline

Deadline for submission of abstracts

31st of March 2023

Notification of acceptance of abstract

28th of April 2023



A – EQUITY AND ACCESS TO MOBILITY SOLUTIONS

Mobility is at the heart of social network and interaction. It helps us get to work, stay in touch with friends and family, contribute to society and access vital services like healthcare and education. Easy access to transport is central to building a stronger, fairer economy. All these simple trips of daily life are not accessible to all. Today not only are mobility offers unevenly distributed, but the potential for movement, whether in terms of access to employment or the organisation of daily life, is not the same for all citizens. In a globalized world where populations are moving and will move more and more, where lifestyles are changing profoundly, mobility must be able to take new forms thanks to alternative, multiple and collective mobility offers.

Topics

- ***Solution for urban mobility***
- ***Fostering commuting mobility solutions: carpooling, bus transit system....***
- ***Policy to promote multimodality***
- ***Commercial offers***
- ***Deploying mass public transport on motorway network***
- ...

B – ROAD INFRASTRUCTURE FINANCING

Innovative financing model schemes to accelerating carbon free and inclusive mobility project delivery

Besides, demographic growth, economic globalisation and other social trends mean we need to modernise our infrastructure in compliance with EU objectives to make them greener, to enhance people's quality of life, to provide equal access to all citizen whether they are living in remote territories or in urban area, to improve resilience of road mobility and to support the smooth functioning of our economies.

Transport infrastructure is changing in depth and there is an urgent need to reflect on what urgent actions need to be done for the next decade. The main priority is to reach the policy goals of developing inclusive transport solution with zero emission. This is a major concern for all the stakeholders to have a sustainable approach that engages/involves public and private partnerships: What will road infrastructure look like in 5 – 10 years? How will mobility evolve over that period? How can infrastructure be adapted to climate change compliance? What measures could increase the resilience of road mobility in times of crises and high inflation? The changes are so important that these simple questions are critical for private investors. The session will explore how to find self-sustainable financing schemes to build, deploy maintain mobility infrastructure and what conditions are needed to attract investors to implement sustainable financing schemes.

Topics

- ***Existing European frameworks for road infrastructure financing***
- ***New perspectives for mature concessions***
- ***PPP models***
- ***Financing solutions for green mobility solutions***
- ***Recovery financing***
- ***Investments on the resilience of multimodal mobility***
- ***Threats and opportunities of the concession model***
- ***Congestion charging schemes***
- ***New tolling systems***
- ***Requirements and conditions from private investors and financial institutions***
- ***Financing alternatives for low-traffic road section***
- ...

C – PREPARING THE INFRASTRUCTURE TO DIGITAL TRANSFORMATION

(Cooperative, Connected and Automated Mobility - CCAM)

Road operators are faced with a transition towards the digitalisation of the road transport system. Digital infrastructure is one of the key elements for the deployment of both ITS and C-ITS services. It will transform most industries, including the toll road industry. Whether you are a network manager, a toll service provider, or a revenue assurance and business analyst, you know the impact and benefits of this amazing digital transformation in your mission and expect the same capacity with customers and stakeholders.

Beyond personal experiences, digital transformation promotes efficiency, performance, and adaptation/customization of toll roads services, which is crucial to the business dimension. It also leverages the opportunities and capabilities of a mix of digital technologies and their accelerated market trends in a strategic and prioritized way. The vision zero fatalities, the decarbonization agenda, and the emergence of cooperative, connected and automated mobility (CCAM), among others, are additional driving forces to accompany this transformation process.

The session will show how digital transformation is already changing Europe's roads and what challenges must be addressed within the next decade to move forward full implementation.

Topics

- ***Preparing the introduction of automated vehicles***
- ***C-ITS deployment for vehicles and road infrastructure***
- ***C-ITS services today and tomorrow: What does the ecosystem of vehicle and road need in future?***
- ***Evolution of road infrastructure and the importance of digitalisation***
- ***Digitalisation of the infrastructure to foster greener, smarter, and automated mobility needs***
- ***Co-existence of electronic road charging systems with C-ITS, radio local area networks, IoT, ...***
- ***Digitalisation of traffic management***
- ***Digital transformation, range from political, legal, financial, technical to societal dimensions.***
- ...

D – ROAD SAFETY

Road crash accident: A silent killer to eradicate

Road infrastructure plays a key role in moving people and goods, but it is also responsible for the highest fatalities numbers compared to other modes of transport, even though there are fewer fatalities on motorways, which are considered at least 4/5 times safer than other road infrastructure. Nevertheless, it is unacceptable for anyone to die or be seriously injured in a road crash accident. The challenges for road operators are to improve road safety and performance and to reduce the time to manage an accident or incident and strive towards the goal of vision ZERO. Solutions for automatic incident detection and first response can provide a real added value to our daily business; also, Artificial Intelligence is a powerful tool to analyze huge amounts of available data, and innovative video analytics and advanced decision support system can analyze real-time and historical traffic data to predict and detect incidents and provide most suitable incident management strategies. The session will also explore and identify policies, practices, issues, challenges, and innovative procedures to both monitor the infrastructure and be compliant with EU regulation.

Topics

- ***Road safety policies***
- ***Road infrastructure safety management***
- ***Safe system approach***
- ***Accidents data analysis,***
- ***Road safety KPIs***
- ***Road safety and Asset management***
- ***Maintenance tools and methodologies***
- ***Road Safety Campaigns***
- ...



E- DECARBONIZATION OF MOTORWAY INFRASTRUCTURE ALIGNED WITH THE GREEN DEAL AND FIT 55

Road operators are fundamentally committed to present and develop innovative solutions to reduce the carbon footprint. The speakers will highlight concrete examples of initiatives that have been implemented or are still being implemented by toll road operators to improve their environmental performances and solutions to reach net zero carbon addressing the infrastructure, customer, maintenance and operation.

Topics

- ***Maintenance efficiency***
- ***Energy saving plans***
- ***Electrification of motorway***
- ***Energy production chain deployment,***
- ***Alternative fuel deployment,***
- ***Hydrogen strategy***

F- PROTECTING THE ENVIRONMENT BIODIVERSITY PRESERVATION

Motorway operators are more and more environmentally conscious players and put a high priority on considerations the environment and biodiversity protection. Road operators are ready to present and develop innovative solutions to reduce the carbon footprint, biodiversity, and environment protection. The speakers will highlight concrete examples of initiatives that have been implemented or are still being implemented by toll road operators to improve their environmental performances, but also offer new sustainable and resilient mobility solutions.

Topics

- ***Biodiversity protection***
- ***Fauna and flora protection***
- ***Water protection***
- ***Environmental programs and best practices undertaken by toll road operators***
- ***recycling of waste materials...***



G - RESILIENCE OF THE INFRASTRUCTURE / ASSETS MANAGEMENT

With climate change, the impacts of natural hazards (such as floods, snow events, ...) is becoming critical. It is therefore become a priority to be ready to face this unexpected event and to prepare the infrastructure to face them. Hence, strengthening the resilience of road infrastructures to natural hazards is more critical than ever before. To reach this objective, the design, operation, asset management should take into consideration climate change aspects.

Topics

- ***Maintenance of road infrastructure assets***
- ***Preventive and predictive maintenance of road infrastructure (including tunnels and bridges)***
- ***Incorporating resilience into the Asset Management business processes***
- ***Resilience is becoming a key consideration in Asset Management as agencies strive to***
- ***risk identification associated with extreme events with robust data***
- ***Plan to establish a modern, effective, and sustainable road Asset Management framework***
- ***Innovative ITS tool for asset managements***
- ...



H - INNOVATION IN TOLL COLLECTION

cashless tolling, contactless tolling, license plate tolling—all-electronic tolling (AET) is a big part of the tolling industry today that's poised to get even bigger. In addition, variable pricing encourages more efficient use of transportation infrastructure by shifting demand to alternate modes and routing trips to less congested times of the day: Car-sharing/pooling services, managed lanes with bus lanes or HOV lanes, and the new user paradigm are evolving to meet the new mobility needs. What is the future of emerging technologies for toll collection, such as mobile phone tolling and license plate recognition? What about vehicle classification and car occupancy detection? What are the prospects for truck tolling or road charging for light vehicles? How can an efficient toll collection enforcement scheme be created? The session will explore all the innovative toll payment schemes and management.

Topics

- ***Conversions from traditional cash tolling to AET***
- ***Fostering free flow tolling on EU roads***
- ***Interoperability,***
- ***Price management: Optimizing facilities capacities / solution to reduce CO2 emission***
- ***Emerging payment systems (mobile phone, ANPR, AI....),***
- ***Managed lanes, HOV lanes, (car sharing, carpooling, dedicated bus lane...)***
- ***Enforcement,***
- ***Violation,***
- ***Blockchain,***
- ...

I - R&D ROAD INFRASTRUCTURE PROJECTS

Stimulating European Cooperation and R&D Road Infrastructure

R&D projects are supporting and implementing EU policies while tackling global challenges. R&D and technological innovation have a significant impact on socio-economic growth. During this period, the research and development (R&D) programmes could test and provide innovative solutions that could play a key role in EU companies' recovery from the pandemic, as well as contribute towards the EC targets for the digitalization of the transport and transport management system. It should also outline how the road infrastructure operator can implement or further develop those innovations to address efficiency, safety, decarbonisation.

The session will allow bringing together the road operators and industry with R&D projects, that apply innovative solutions to road mobility and infrastructure.

Topics

- ***Innovative Traffic Management***
- ***Assess & report on TMS capabilities,***
- ***Planning, designing, procuring, & managing data subsystem to meet current & evolving TMSs needs***
- ***TMS data management plans & practices - collecting, compiling, using & archiving data***
- ***Large Scale Demonstration***
- ***Solar flagship projects***
- ***Use of drone for traffic management***
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PAPER ACCEPTANCE POLICY

The Technical Program includes a wide range of interesting topics designed to facilitate the exchange of ideas and information.

Please note that a limited number of Papers will be accepted for this Call. The call for presentation is not limited to ASECAP Members, but external companies can submit a presentation which will be accepted on the condition to take a sponsorship/exhibition package which will give the opportunity to speak at one of the plenary sessions (PLATINUM Sponsorship) or during one of the technical sessions (GOLD Sponsorship).

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