

Workshop title

Pathway to the future of Connected and Cooperative Transportation Systems: The C-MobILE perspective

Workshop proposer(s)

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Abstract

The purpose of the proposed workshop is to present the results and perspectives of the C-MobILE (Accelerating C-ITS Mobility Innovation and deployment in Europe) project on the deployment of Cooperative Intelligent Transportation Systems (C-ITS). A total of eight C-ITS equipped European cities/ regions (Barcelona, Bilbao, Bordeaux, Copenhagen, Newcastle, North Brabant, Thessaloniki, and Vigo) are involved in the project with the aim to become large-scale deployment locations of sustainable C-ITS services. The project covers a variety of aspects related to the C-ITS ecosystem ranging from technical and operational issues to stakeholders' partnerships and collaborations. The proposed workshop aims to highlight this complex ecosystem by providing expertise and knowledge on several issues acquired during the execution of the project. The workshop aims to elaborate thoroughly on stakeholders' needs, technical and non-technical requirements and specifications, common interfaces to ensure cross-modal and seamless services operations between different geographical areas, an architecture for the C-ITS environment to ensure cross-border services interoperability and harmonization. The bundling concept is also introduced, which has been recognized within the project through two different dimensions: users of the C-ITS services and traffic managers wishing to integrate C-ITS services to operational mobility management plans. Apart from the abovementioned technical topics, the proposed session aims to provide insight on other key enablers for large-scale deployment of C-ITS services such as business models, stakeholders' partnerships, services market roll-out, and capacity building activities. Finally, best practices and examples of real-life deployment of C-ITS services are shared through the deployments, which took place in the participating cities and regions.

Keywords

- Cooperative Techniques and Systems
- ITS Policy, Design, Architecture and Standards
- Network Management

Topics of interest

- Cooperative Intelligent Transportation Systems (C-ITS)
- Large-scale demonstrations and cross-border interoperability
- Traffic Management for Cooperative and Connected Mobility
- Business Models and Cost-Benefit Analysis for C-ITS services
- Capacity Building activities for C-ITS