

Connecting to Future Mobility

Overview

Within this workshop, we will assess how communication technology enables Future Mobility. The workshop will be interactive to realize better understanding. The presentations will have a practical perspective to ensure the participants can apply the learnings within a short horizon. The workshop will give a holistic approach starting from goals, moving towards solutions, and finalizing with the practical experience from projects trying to implement these solutions.

Program description

The Connecting to Future Mobility workshop is organized to link Future Mobility and (current) connectivity solutions. The workshop uses a two-step approach with presentations and interaction with the audience through a panel discussion and online surveying.

The first step lays the foundation of what Future Mobility means. Two main visions are investigated detailing KPIs that are the drivers for achieving these visions: Green Mobility and Vision Zero.

The second step investigates how communication technology enables the connection between available solutions and Future Mobility. Multiple projects are examined, and their potential contribution to the KPIs assessed. The presentations describe the use-cases, the 5G aspects that enable the use-cases, and what is needed to ensure they can contribute to Future Mobility.

Presentations, panel minutes, and survey results will be made available afterward.

Content

The agenda is split in two parts. The first part describes the outlines of where we need to go as society according to the EU main programs. The second part describes the tools that are becoming available to achieve these targets. The parts are:

- **What does future Mobility mean?** In the first part, the presenters define Future Mobility from multiple angles using goals and KPIs. Where do we come from, and where do we want to go? The speakers guide the audience through the goals set, how we currently perform as a society, and the challenges to reach these goals, offering the audience a clear overview of the next steps on the journey towards Future Mobility.
- **Enabling Future Mobility through Connectivity.** Now that 5G is becoming more and more available and numerous (technical) trials are being performed applying connectivity, we can assess how new solutions can be put to use to expedite Future Mobility. In this part the presenters will guide the audience through new solutions and use-cases that are becoming available, how they are enabled by connectivity, what actual aspects and solutions are deployed, and what needs to be done to realize Future Mobility.

Agenda

The workshop will be held as part of the ITS World Conference in Hamburg on Wednesday October 13 from 15:30 until 18:30 in two blocks with a break in between. The agenda is presented on the following page.

	Time	Content
	14:00	Welcome and Survey Introduction
Part 1	14:10	Green Mobility: without being Green Mobility, there will be no Future Mobility. (Open slot) will discuss how only sustainable transport will have a major role in Future Mobility.
	14:30	Vision Zero: any solution implemented should be safe, if not safer than current solutions. Charlotte Nørlund-Matthiessen from the European Commission presents the vision behind zero mobility-related fatalities.
Part 2	14:50	Environmental benefits of connectivity: Maxime Flament from 5GAA discusses the main learnings from their study on the environmental benefits of connectivity.
	15:10	Break
	15:30	5G for Connected Mobility: Ralf Weber from Qualcomm will introduce 5G technology and their potential to support connected mobility.
	15:50	Service continuity: Elina Aittoniemi from VTT will describe the issues, 5G technologies, use-cases that are being trialed and their impact in 5G-MOBIX, accompanied by a brief overview of the use-cases of the other ICT-18 projects. These projects are aimed at realizing seamless EU wide (cross-border) mobility using 5G and apply advanced CCAM use-cases to achieve this goal.
	16:10	Title: Henriette Cornet from UITP will discuss the numerous use-cases and innovations from the SHOW project aiming to support the deployment of shared, connected and electrified automation in urban transport, to advance sustainable urban mobility
	16:30	Panel discussion: the workshop is concluded with a panel discussion to reflect on the presentations and the outcome of the survey, where the audience is invited to participate.
	17:00	End

The above agenda effectively realizes a shared view on how, what innovations can realize Future Mobility. The results will be made available through the congress website in the form of a report containing links to the presentations, minutes of the panel discussions, and the results of the survey.