

5G for autonomous vehicles including current possibilities with 4G



Presentation Abstract

5G is happening in a close future, bringing technical innovations that are relevant for the automotive industry. These include a new radio access technology delivering unprecedented data rates with low latency, complemented by innovations enabling nearly-deterministic performance and a higher degree of integration between networks and computation resources (edge cloud).

Most importantly, 5G is being developed to support industrial sectors, such as the automotive one, with particular requirements in terms of performance, management and ecosystem.

This talk reviews some of the 5G technical innovations and sets them in context with the new automotive services and their ecosystem. It is discussed, also with examples based on prototypes, how 5G will enable innovative services in the next years, building on the evolution of existing 4G networks.