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Start Date: 27.01.2017
End Date: 17.06.2017

ECTS: 30

Title: --

Description:

Today, the significance of Cooperative Adaptive Cruise Control CACC is increasing. CACC is an extension to the Adaptive cruise control concept. In the heart of CACC concept lies the combination of speed control with cooperative element such as Vehicle to Vehicle or/and Infrastructure to Vehicle communication. It uses Radar or LIDAR measurements to derive the range to the vehicle in front and the speed of the preceding car, thereby potentially improving road throughput. Currently, there are researches for design, development and implementation of such system.

Through this project is expected to make a research regarding CACC and collect those information, in order to build and/or improve a design. The main objective is to first since is a cutting edge technology (latest articles 2014/2015), research the already available sources and decide upon what vehicles will be used and also which communication protocols that can be implemented. The expected result of such project is to build a controller module and a communication module to fully facilitate the vehicle platooning scenario, and also to built the communication protocol between neighbouring vehicles.