Together with Toyota we work on the Car4ICT project where we envision a future with cars as the central communication resource in Smart Cities. To achieve this we are in the process of developing a framework which should fulfill this role. Cars have two roles in this system: First, help users to discover services offered by other users. Second, route the data between users. In [1] the concept is outlined in more detail.

Until now we explored and verified the proposed framework in our simulator Veins LTE [2]. We also use this simulator to implement new features and update the framework.

**Goals of the thesis:**

As, until now, we only have an implementation for Veins LTE the goal of this thesis is to port the framework to our test platforms. In addition an app for a smartphone should be implemented which will make it possible to use cellular network connections. The outcome of this implementation should then be validated and we aim to perform first experiments.

**Keywords:**

Smart Cities, Prototype Implementation, Android App Development

**Literature:**


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